

tcttgggcaa tggttccgaa tgcttangga ctctgggncc tatgctgncc gaaacggatg 540
aatttcttcc gccttttgca ttgg 564

<210> 6528

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6528

ggtagaaatg gggtttcacc atgttaccca ggctgggtctc aaactcttgg actcaggcaa 60
tctgtcagcc tcctaaagga gtgctgggat tacaggcatg agccaccgtg cccaccccc 120
aaattctact aatatatgtg cataattaa tagttaccag ccatcatttt ctgatacttt 180
ggcaattggg tgaaagagtt tatctaaaga cctggaatcc atagaaggca gtctctgtgt 240
taaggggttg ttcttattat gcagatgaag cctccaggta gcaggcttca gagagaattg 300
attgtaaagtg ttcttattat gacttaaaaa ggtgcctaga ttagggaaaa gacctggaaa 360
gggattccct gtagcatgta gactttcccc acaagagaca actttgtagg gacatttcaa 420
aatatgataa ccaatatatt ttanggtaaa atattttatt cttttanggn ctgctatctg 480
gcatgtaatg ctacactnga agtcaggctg gaaattgggg gcctaattggg tnccaaaaag 540
gcttaanant ttggtgna 558

<210> 6529

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6529

gagatggagt ctgctctgt caccaggct ggagtgcaat ggctcgatct cggctcactg 60
caacctccac ctccccagtt caagcaattc cctgcctca gcctcccag tagctgggat 120
tataggcatg caccaccacg cctggctaatt tttgtatgt ttagtagaga tggggttcta 180

ccatgttggc caggctggc tcaaactcct gacctcaggt gatccacctg ccttggcgtc 240
 ccaaagtgt gggattacag gaggtagcca ccgcgcccag ccaattatat taatttttaa 300
 aaaattcact gtttaaaaaa ttatgaaagt aacaagatga gctctattaa ttttcaggct 360

 catccattct ttttctattc aaccaatccc tccactccac tactctctga ttcactgctg 420
 ntcttgaaga ctctttaaag gtaatttcta cctttccctt tttggaataa ggtctacttg 480
 atctacctta aatgaacngaa ntaactctgg tagaaataaa gctcttgctg agtaagacct 540
 tttanccnct nn 552

<210> 6530

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6530

aaattagtta ttgtcattct taaaaaatca ggaaatttta gatgtaagtg tggaatcgcc 60
 agcaacaatg ggccacatt tcaggtacag cagaactgac ggcctctgtt agagagggca 120
 tgcctgctcc tgttccctca gaatcaatcc ttacccatca cattgtctta cattagggcc 180
 cacttgactc atttaaatag gtagctgcct gggtcttgag tctgaaatcc ctgtcttaaa 240
 ggatgatgaa aacaatgggt tacgtctatt ctactttctt attaggcctc accgatgtgc 300
 agtataaaac acctctctaa tcttttccca tgtaatgtat caccatttca aagtgagatc 360
 tctgcaggct tccatcagct tatgctatca caccctatit aaaattaata cagcaatagc 420
 tcaagagcca ggctgaagaa taagactggg ggctttcaan ggatgttagg aaaagaaccc 480
 ttccctatta tgaaatacta atggcattat gggttctctt caaaggacca antttcngaa 540
 atgaaagggt ggtnttttaa catt 564

<210> 6531

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6531

atttttaaaa ctacagttct tttattcatt ctaacaccta gcagacagcc ctccacatag	60
taagcactta agtatttggg gactggagat atgaaaaggc ctacagttaa agagaaaaat	120
catgcaatca ctagataaaa aactacctag atttgtgtat ctgactccaa aattgggctg	180
gaattgttag tagacaaatt ttcttctggc aaacaaacaa aaatgcaaca aaacttcaag	240
ataaacaatc tatgtagtaa ggcagtgtca aacacatccg ttttaccctaa acgacagaac	300
gaataccaat aagatgacag acatcaaaat caaactttgc agcaataaac aaattttcat	360
atctgactgt aaattaaaaat cttgtgtgct tagaaacatg ttcattttaga cagtattnaa	420
aagtaggatg ttagtctcaa aatccaagaa gttaaattat taattcaaat tcaatcttat	480
aatttaggaa ttttactgga tagataagan ggcccaggna cagtccaaga angnaagtgg	540
aatgctttaa ggggatcagg aag	563

<210> 6532

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6532

acaaaagagc aagagaagag agacaaagcc ctgatattga aaaaaacact gcttagggca	60
tatttgatta ttgcgaattg ttattgtaat actatgctaa tttacctta ttaaattattg	120
aagaaggcca tcaccattgg gaagaagtta aaatatatta tataaaatta aactaattta	180
tctttatgca ataaaatgtt agaggatacc agatgctatt ttataataa acatctatct	240
tctaaaaagg tcattatgtc atgcatacac aaacaaacag agaagcaaaa gagaaatgca	300
tccctgggta agttgagatc cttctagaaa acattttgcc tccatgttgt gttaaactag	360
ggacaccatt gaaaagacta agtcaaattt ccaaagaaaa atgtcacatg tctatcctgt	420
tgaggcacat aggctagggtg gaagtgtgag gtaatgataa angcatnang caaaattgta	480
tcanatctgg ctttgcacct ggaatttctt catttttttc taatttaatg ggacanttaa	540
aatatggggc tcn	553

<210> 6533

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6533

```

agatggagtt tcactcttgt caccagctct ggagtgcaat ggtgcaatct tggctcactg   60
caacgtccgc ctcttgggtt cgagcgattc tcctgtctcg gcctcctaag tagctgggat  120
tacaggtaca tcctaccaca cctggctaata ttttgtatct ttagtagaga cgaggtttca  180
ccatgttgct cagcctggct tcaaactcct gaccgcaggt tatctgcca ccttggcctc  240
ccaaagtaag tgctgggatt acaggcgtga gccaccgtgc ccagctggta ttctcaaatt  300
gagacagctt cctttgaatt ttctacttt atgaaaagtt gctatgtata aatactgnaa  360
ttctagcctc tgctttactg aagccttttc cccagtaaa ctgtggagta cttacaggtt  420
cacaagaan aactgaacct caggtaagct nttaaaanga aaccaacaac tgnnggggta  480
cttctgtggg aaaattaaaa aaagcgnntt ccactttcaa ttcnntata aaaggaaaaa  540
tcaaaggtt                                     549
    
```

<210> 6534

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6534

```

acaatgccga gcttttattt tggtctttat gcaaagggtt cagtaaaact gccaaagacaa   60
caacaaaaac aattttaaaa actgacatct ttggaactgc tacttgaagt tctgagattt  120
attgtaacat atacctcatc tcttctcaaa aagacaggaa gtctacttcg tctagtgtta  180
aatttattga tctcagccct ttaggttgaa cttaaagaat tatgtttagt ctaactaaat  240
tcatgaagct ctgaaataag agtttgacgt ttgccaatca tttcttactc tgtaacctca  300
    
```


acgacatttg tcctgaggct gtggactaca actcaagta attacaagta ggtcatacat 360
 gaacattcac cattcacaat agtaatgtgt aaaaattcct atttatatcc aacaacatca 420
 aagcaacctt tgatgggttaa gnccaagtcc atcctttata gtccatttta accttantag 480
 gaaggatcca tnggaaaaga cccctttngg anaattttgg ccatttcntt aaggctagca 540
 tatagcctnt a 551

<210> 6535

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6535

cctccttagc agattacctg atgagcaciaa gggcgatgct aggaaaattc aaaaattccc 60
 caaactttgt catttggagg agagagaaaag atgcggatga tgccccacat ccaaaagttt 120
 cttcaaagtc tgtggcaaaa taatggtagc accttcagaa tcttaaataag ggattttttt 180
 ttttccttaa aaaaatcaca tacactgtga gagacaattg tgagcaccag cgatttcaca 240
 gtgggaggta gcaaacgtgg gcacccccag cccgaggatc tcgccgcttc ccacgcctgg 300
 ctgctccttc ccatectctc acctctttcc cgggtgaaaa aaaaatagta acgcaccttc 360
 tttttgtttg tttaaataat atatataac acttctgnct ttcctttctc cttttttcat 420
 gnctccttcc taatatggcc atcaatagct tcctacaggg accagctgac gagacgcccc 480
 ttccttaagt ggctanaaag gngggctntt gggcagnaac ttgggaaggg accgggtggc 540
 cnaaaactta aaggccc 557

<210> 6536

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6536

aaaggtatta actttattaa cctgtaacat tcatcatttt aaaggagtat ataaaaactg 60
tcaaatggg tcagaaacaa agtttgcgat gtcataatc atcttcagca gtggcaacat 120
ttaacttttt gagtcagtcg caacagactg gcaatataac taacacaata cataacgata 180

agtgtgttc ttgataaaaa accaaattat ttttctattt acaattttta gaaaagggtt 240
aatgtaaaaa tatttttctt ctttatatat ttccctgcc tgaataatgtt aaaacatatc 300
aagatcctcc tcaaacttta agggtgaaaa gcataccatt ccattttagt tgaaatatc 360
cttcacatag ccaacacatt tttcaaggc actctagcta ctacaggaaa aatgtcctct 420
tgcctactgg attattttcc cttcaactta tctaaattta aacttggtat tactgggttt 480
tttaaattaa gttttcatgg naccagtctt caagtaattt tctttatgng gagccctcct 540
taagttcacn tgctgagccg gcaagc 566

<210> 6537

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6537

agtgatgggc tctcgctatg ttgccaagc tggctttgaa ctccctgggct caagcaatcc 60
ttccacatca gcctcccaaa gtgttgaggt tataggcatg agccactgca cctggccaag 120
aaagcagctg cttttcaatt gtccaccagg tgacatgaat tccaagttt gtactaaagc 180
ctcctcttaa gaaggagcta tggcattacc atgtaattaa ctccctctta atggaatcgg 240
ccatcaagag caaggatcat gaagactagc atcagctact tagtggccag cagcctcagc 300
tcctatcaga ctgctgaggg ccactacata cgtgtccctt aagaagccta ttacctcaca 360
gagcagaaat acacagacaa gtagaataaa agcagaatat cctgctaagt ggctaataaa 420
cattggccac aggtggacac catctcaaag actnttccaa gagagcaagc ttncanatgt 480
ggnggccaag gacnnttaga gaggagaagc ccatgactgg gccttgnaac ttgccangg 539

<210> 6538

<211> 579

<212> DNA

<213> Homo sapiens

<400> 6538

```

acaaatatac tggagaatca tgcaatgctg ccagcattgg atgcaatccg gggccacaag   60
tctgcacact cctttgctac tggctctgta atggcagaac ctttcatttc gcctttattg  120
ttcactatga ctctgcatt atcttcaaaa taaagaaaca cgccattctt tctacggtat  180
gactttcggt gtcgaatggg aaaactggct agccatatgc agaaaactga aactggaccc  240
cttccttata cagtatacaa aaattaactc aagatggatt aaagacttaa acgtaaaacc  300
taaaaccata aaaaccctag aagaaaacct aggcaatacc atttaggaca taggcatggg  360
caaagactgc atgagtaaaa gcaatgcgaa caaaagccaa aattgacaaa tagggcctaa  420
ttaaactaaa gagcttttgc cagcanaaga aacttttctt cagaggggaa caggccacct  480
acaggaatgg ggagaaaatt ttgcattha tncattttga caaanggtt aatatcccag  540
aattctggca ngggactttn accaaattta ccaggaaaa                               579

```

<210> 6539

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6539

```

ggagacagag tttcactctt gttgcccaag ctggagcgca atggtacgat ctcagctcac   60
tgcaacctct gccttctctg ttcaggcaat tgtctgcct cagcctctca agtagctggg  120
attatacagg catacgccac cagccccagc taattttgca tttttactag agacgggggt  180
tcacatggtt ggccaggctg gaactcctga cctcagggtga tccacctgcc tcagcctcct  240
aaagtgctgg gattaccggc atgagccacc acgcctggcc gaccctcatt ttttaataaac  300
ttagatgcag ttcaactcat tgaagtgaag agcttgattg tatattttta ctatgtgtca  360
attttataac agaaggaaga agcaaaaata aaaatccagc cctactcttc atgcncagat  420
gaccggaaag gagatcattg gatactangg ataacattgg gtttctttct tgggaagtat  480

```

tttnaaacct aatgaatgct gagaatttta taatagaaag ctggaataag canccaaaac 540
ttaatcttag gcttatgcta t 561

<210> 6540

<211> 515

<212> DNA

<213> Homo sapiens

<400> 6540

aagcttgtct ctgaaaactc caatatctgg aggtccctac agatgtttta atagaagctc 60
ctgctggtat tcactcatgt ctctttctgt ggctactttt tattgtgtgt tctacagtgt 120
acctgcaaaa ctgtttatag atttattttg aggcctagtt tgtagtttt ctacactgtg 180
taacaatatt accacaaatc tgggtgtgta agaacaagac acatttatta tctcacaggt 240
tctgtgggtc aggagtccaa gcacagatta gctggcttct ttctgtttcc tgggtctcaa 300
agactgcaat caagggtgta gccagagcta aggtctcaac tagggctcca ctgaaccagg 360
attcacttcc aaaataacaa ggttggtggc aatcttcagt tcctggcaca ctactagaac 420
anggatctgg ttctgctgac tactggctnn aaggccccct taagtcttg cctganggcc 480
tttccaaag ctgggttacc atnatgggan ctign 515

<210> 6541

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6541

aatatatttt ttctcccat ttccacattt tcctttacat tcttgagcat atgtataaca 60
tgttttaaca tgtttgtctg ctaattaaat tgtcctgtca ttcttcttt ttgttggtga 120
tcatatttcc ttgcttcttt gcatacctga tcattcttaa cagctttatt gatgtataac 180
tagcatataa taaagtgaat atgtttaaac tacatacata agtggtgaca catgtatata 240

cacatgtaac tgtcaataca cttttagaat ataccaca ctcccaaagg tttcctgatg 300
 ccctcttggg aagccctctt ttgcccctcc aactactct catccccaat acacatgaaa 360
 aattctgact agatactggc cattgtgaat ttacattct tgggtgctgga ttactgnat 420
 tatcttaaan ggatcctggc ttgtctaaca cacaataaat attttaatca attgancctt 480
 catggttgct ttcaattttg tagaagaagt ccaaggcnga ctgacctcag actaattggg 540
 cccctctttg gg 552

<210> 6542

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6542

gtgagacgga gtctggcttt gttgctcagg ctggagtaca gtggcgtgat ctgagctcac 60
 tgcaacctcc gcctcctggg ttccagcagat tctcctgcct cagcctcccg agtagctggg 120
 attacaggcc cctgcctcca tgcccagcta gtttttgtat ttttaataga gacaggattt 180
 caccatgttg gccaggctgg tcttgaactc ctgacctcaa gtgatccgcc cgcctcggcc 240
 tctcaaagtg ttgggattac aggcgtgagc cactgtgccc ggcccgggtt ccttttgaag 300
 aaaggtgatt caaatgctct gagagcagtt atgtatacac agggcaatca tcagaccata 360
 atcattactg ttcgaggcca gaacagagac gactagctct ctgtgtgcct ttccaagtc 420
 tcaccgtgat ggactggcct tctctgngct ggtttcctaa tttcaacat aanccttgta 480
 ccanaaaaac aattttcnaa agcctatcct aaggtaatct gaactcaaca ctggttaact 540
 tcctaanggt aaaggggttg ggtcttaaan 570

<210> 6543

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6543

gtgagacgga gtcctgctct gttgcccagg ctggagtgcg atggtgcaat cttggtgac	60
cataatttct gctcccaggt tcaagagatt ctctgcctc agcctcccaa gtagctggga	120
ctacaggtgt gtgccaccat gccagctaa ttttgtatt ttcagtagag acagggtttc	180
actatgttgg ccaggctggt ctcaaactcc tgacctcatg atccgcccgc ctgggcctcc	240
caaagtgctg ggattacagg cgtgagctat cgttcccac ctaaccattt tttattgata	300
tataatttac atataataaa atccaacatg tttaaagtgt ataattcagt ggtttttagt	360
atattcataa ggttgtgcaa ccataccat tctctaattc cagaacattg nattcaagcc	420
ccaaaagaaa ccctgtccaa taaccattca cttctgnttt tccttcctt agcccctggc	480
aatcactaac ctacttttta attctggata ttcataataa tggaatcatn catatggcac	540
cttttggggt t	551

<210> 6544

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6544

aaagaaaaag cctcattctg tcgcccaggc tggagtgcag tggcgtgatc tcggctcact	60
gcagccctccg cctcccaggt tcaagcgatc atcccaccg aacctcccaa gaaactgaga	120
ttaccggcat gcaccaccac acctgcctgg ctaatttttg tatttttagt agagatgggg	180
gtttgccatg ttggccaggc tggctcctca ctcctggcct caagtgatcc gcctgccttg	240
gccttccaaa gtgttgggat tacagggtg agccaccaca cctggcctat tcttgcaatt	300
ctggaagatt tagggggctg gcaggagaca agactgagat tgtttaggcc atcctgttgc	360
tgacacaatc ctggcactta agcgggaatg cagtggccta agttagggc aacatatctc	420
tcataccatt taccaaaaca aaacanaaaa cacttctggg gtgaatgtct gggcattctt	480
aataagcatc ttaataatcn ggtttggctt tttcctaaaa aaatgctttt cctcaaaaaa	540
aaaaagtcgg	550

<210> 6545

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6545

```

gagacagaga catagtctca ctctgttgcc caggctggag tgcagtggcg tcattctctgc   60
tcactgtaag ctccacctcc tgggttcacg ccattctcct gcgtcagcct cccgagtagc  120
tgggactaca ggcgccctgcc accacgcctg gctaattttt tttgtatttt tagtagagac  180
ggggtttaca ccgtgttagc caggatggtc ttgatctcct gacctcgtga tccgcctgcc  240
tcggcctccc aaagtgctgg gattacaggc gtgagccact gcacccggct gctcccatct  300
tttaatagtg cctcttacac tggtttcac atctttccat tcactgagct gggaatgtga  360
ggatcattat ctcaagaaca caaattccat tcttcctgat gacaagtcac gctaagtttc  420
ttttgggatg ctgaaaaact ttactctggc taacatctaa gccttctctc aaggagtgc  480
ttaaaatgcn ggaaattttg ggtcataaat cccagcagcgt aaaaaatgga aactaactcc  540
ttntttgggt a                                     551

```

<210> 6546

<211> 427

<212> DNA

<213> Homo sapiens

<400> 6546

```

cttttttgag acggagcctc gctctgtcgc ccaggccaga gtgcagtggc acaatcttgg   60
ctgactgcag tctcaacctt cctgggtcaa gcaatcctgc ctcagcccct cagctagctg  120
tgactgaggc aagagcgcac caccctgtcc ggctatTTTT tttttgtat tttttgtan  180
anatgggggtt ttggggtttt gccacgttgg ccaggctgct aatangtatg gatTTTgggg  240
gcaggatgat ggaaatgttc taaaattata nagtggtggt tgttacacaa cacagtnant  300
atactagaaa ccactaaatt atatgcttta tgagaagtca attttatggt tngtgaattn  360

```

tatnccaata aagccatttn taaaaaaaaag antcggcngg gacaattact aaaagtgagg 420
ngtcttg 427

<210> 6547

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6547

ctttctttcc ttctttccct cctttctttc ctttctttct ttctctttct ctctttctgt 60
ctgctacaag taaactttat ttgatgtaat gtaatacaac attttcaagt ttcacaatga 120
gcgtttgaca taaataatca tttaaattag gaataaagt atgcacggtc acttgagcaa 180
atttgcagtt caggggttgg tacgagcttt gtctgaaagc tttttctcc tttaggaaaa 240
agtagccctt cccttcacct ggtaagaagc actatcaatg ggagttagaa gaagtccata 300
atccaccttg gaattccagc tgatctgtga gaggacagct ttctgtattc tagaaaaata 360
atattctctt tcagttcatt ctttttccc catggaagat attggcactc tcttcatcta 420
ctggctttct gtctccttag ctgctgctta ttaccataga accattttta aaaatataat 480
atctgcaaga gacctttct gggtcccttac ctccctaaag gccataaatt tggggaaagg 540
gaaggtggtg ggaa 554

<210> 6548

<211> 454

<212> DNA

<213> Homo sapiens

<400> 6548

cagagacagg atcttaccct attgccagg ctggagtaga gaggcatgat cacagtagct 60
cactgcagct ttgactcct gggttcgggc aatcctntca cctccgccac ctgagtagct 120
aggattacag gcacgcacca cgacaccag ctaatttttt tatcttcttg tanagacagg 180

gtctcgctac attaccagg ctggtctgga actcctggcc tcaagtgate ctcttgcctc 240
 agcctcctaa agcactggga taacaggagt gagccatcgt gccagccca atttcatgta 300
 atttttatta tggcttaaaa ctgaaagggt agccagggtg ggtggctcac gcctgcaatc 360
 ccagcagttt gggaggccna ggtggcanat cacctgnggt caggagtcca agaccagcct 420
 gaccaatntg agaaacccca tnttinctnaa aaaa 454

<210> 6549

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6549

gagtgtgtct ttaacattta ttgacggggt ttccacagg gtccgcagtc aaagaatcgc 60
 tgaaccgcgt ttctcgaga gacgggtgtg ggcatgggcg ccttgctgct gcccagtc 120
 cagagcttct cctgtagggg tgcggctac aggaacctta tcccagctcc aaactggacg 180
 ccatacata tctgtcgcc tgtctgtact cccatgggga cgcagtaatt aagttccaac 240
 cgagcgatgt tgccaagcct gaggacaatc ccggccccgt acgaccagcg gatgcactca 300
 gccagcttac gaatatgagc ttgggggccc tcccatagt tgaggttgca gaggtttcct 360
 gcgttgagaa agaagtgtgt tcggaaaagt tctccaaagc caccctgcct gccggaaagg 420
 taatgggggtg tanaggtgca agccggcggc ccagtacgt tcttcaccta ngtagtcct 480
 ttgcttttgg ggcccaagct tggcattctg aatccgcgga ccctttgggg gtcccccgag 540
 gnaaaaaacct n 551

<210> 6550

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6550

acatttacac gtttatttagc tagtcaacat caacatgcaa aaataagcac taactacaaa 60
 cctctacgat acggttctct gtcagctacg gnggttcatt tgttttgaaa agtcatcagt 120
 acttctttca actgaacgat taatttctgt aatggatagc aattagactc tacagttatg 180
 gaaccatccg gcaaggcctc tgcagaaatt tgggtcccgtg gatttccacg ttatacattc 240
 tcgaagcagg aagtaaggcg gcacacagag ggtgtgatat cgaaacgacg cagctacgaa 300
 cacagccccg cgatgtgata tcgaaactat gcacgtacga acacagtccc gcggacacga 360
 cccgcgaggc aggcgggcgt cctcgaagcc agcccccgac ggtggcggcg ccaggcggtt 420
 cggcagcagc tctcgaatga agccataagt gtcccttcgt ggccgccgaa tcgcgggtca 480
 ctggaaggtc aatcccgggc cgntgccacc ttccccgggc aggccanggg ccaacaggaa 540
 gtggtgaaag g 551

<210> 6551

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6551

ccttgagacg gagtcttgct ctgttgccag gctggagtgc agtggcgcca tctcggctta 60
 ttgcaaactc cacctcccgg gttcaagtga ttctcctgcc tcagcctggg actacaggtg 120
 tgtgccacca cgcccagcta atttttgcat ttccagtaga gatagggttt caccatgttg 180
 gccaggatgg tctcgatctc ctgacctcgt gatccgcctg cctcggcctc ccaaagtgc 240
 gggattacag gcgtgagcca ccgcacctgg cccgtcatac ctatttctaa attacacaaa 300
 ttaagaaaga aaatgatacag aaattaggtg cagtttaatt ctggtttcat aggaaaattg 360
 aaaactgggt aaatatgatt cctgaacaaa atcatagaaa cttttattta ggagaagaat 420
 gactttatat gcgaaaagta gcattaaatc taatcttctt tccttttagag cccttctatg 480
 gtctcaance cttttenttt atccacattt ctttaagagcn tagttcatac ccatnggctt 540
 ttttaatttct t 551

<210> 6552

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6552

```
attgagacag agtttcactc ttgttgccca ggctggagtg caatgggtgca atctaggctc 60
attgcaacct ccattctccg agctcaagtg attctcctgc ctcaacctcc caagtagctg 120
ggattacagg cacccatcac cacaccagc tagttttttg tacttttagt agagatggag 180
tttactatg ttggtcaggc tggctctcaa ctcctgacct caggcaatcc acctgcctca 240
gcttcccaaa gtgctgggat tacaggcgtg agccaccatg cctggccaat gttatttttc 300
atagaaatag aaaaagcaat cctaaaattt gtatagaacc aaaaaagagc ccaagtagcc 360
aaagcaatcc tgagcaaaaa cgacaaagct ggaggtatca cactacctga cttagaaata 420
tattaaaagg ctatagaaac ccaaaacagc atggnattgg tataaaaact aacacattga 480
tcaatgggac caaatngata atccaaaaat taatcncat attacagcca ctgattttga 540
caaaggcncc aa 552
```

<210> 6553

<211> 410

<212> DNA

<213> Homo sapiens

<400> 6553

```
catggaaggc catgctaatt ttattaactt atatagtgca taaagtctag aatttaaaat 60
tacaaagggt ttctacaaat caataagaaa atacaaataa cctatatata tcagaacaga 120
aactcaattc aattatctta aacaagaaag ggactttatt ggctcacaaa actttaaggt 180
ccggaggtag ggcaggcttt aggcacagct ggatctaggg cctccagaaa aatgacatca 240
gaacttagtt ctctttccat ttctgctagc atccgagttt ctcctcagac agactctctc 300
cacatggcac aaattcaggc ttacatggtc cttggttcct gggatctcca taaagccttc 360
tttccagtag ttccagcana agttctgtta nngncttnc cttanccngg 410
```

<210> 6554

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6554

```

gagatagggt ctactctgac acccaggctg gagtgtagt gtatgatcac ggctcactgt   60
actccaagcc tgggcaagat cctgtctgta taaaatttaa aaaattagcc gggcatggga  120
agctgcagtt agtcatgatt acaccactgc actctagcct gggacataga gtgagacctt  180
atctcaaaaa agaacctatt tatgtttatt aatatgcaac tgttttaatt actaaatgcc  240
cattatgtag ccataaaaaa ttagaatatg ctttatgctg tactggagca aattcgcaag  300
tactataatg acattttggg gtggggatag gacagtaagg tataaaaatg gggttatatgg  360
taaacataac ccataaatgt taataaaaaa taaatgatta tttgggtaaa cataaaacaa  420
aacacaaata caaaacctaa aaagagggag actatgtgat atggntggct gngcttccac  480
cccaaactta tcatgcatgg aagtctcata accctatggg gcatggagga acccntggga  540
ggt                                                                    543
    
```

<210> 6555

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6555

```

ccatacccca gtgacacctg gaaggccagc gacagaactg ttcactctcc tggaaaggga   60
actgaagcca gggagccaag tggatcagt gatcccaccg ccacagagcc cagcaagcta  120
aaatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagtcga cctgggactc  180
ccaagcttgg tgtggggaga agcgtccacc attactgagg cttgagtagg tggttttccc  240
ctcacagtat aaacaaagct tctgggaagt tcgaattggg cagagcccac cacagctctg  300
    
```

caaagctgcc atagccagac tgcctctcta gattcctcct ctctggacag ggcatctctg 360
 aaagaaaggc agcagcccca gtcaggggct aacagataaa actcccacct ctctgggaca 420
 gangacctgg cggaagaagc cgcttgtggg tgcaacttta gcagacgtaa atggtinctg 480
 ctggcaactt ntgaagaaaa ccagcgaatn ttccagacag gactcaactt ttgttangga 540
 canctgcttc 550

<210> 6556

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6556

ggagaggaag tagaatttat tggtagtat taagagggga agcacagtga aagccctcat 60
 gagtgcaggg ccggcactt gtccacaggg ccacaactgg ggatgtactt gacccacag 120
 ccatatgagc cacttctcag ccaccatgtc ttcaaattca tcgacattga acttggtgaa 180
 gccccatttc ttgagaagt ggatcgtctg gcagccagag aacttgaact tggccctgtg 240
 cagggcctca atcacatgct ccttgttctg cagcttggtg cggacggaca tggtaacttg 300
 gccaatgtga cccctgacca cagtgcctg gggttttcca aaggcacctc gcatgcctgt 360
 ttgaagccta cattggggta atgcaaggc agagacatga acatacatct gaaaggccta 420
 ttatcaaggt cccttagagc aacctatnga ggaaacaggc ttcatacacc accaaggaac 480
 tgctggttgc aanccttga cactgggncc ccataaggaa aggaactcaa tcccttnaat 540
 ggctgnagag 550

<210> 6557

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6557

cttttaagag atgggggtctt gctgtgttgc ccacacttgt cttgagctca agcaatcctc 60
 ccactttggc ctcccaaaat ggaatgatta caggcctgag ccactgcacc tagtcccttc 120
 agaattctga gggcagttct tccatgattt ttcttagcca tttctgttgg gatgtatttt 180
 tttcttgtga gattgtcctt ttctcttcca catcctaggg tttcttttat ccaccgtgct 240
 gtgcgcttgg tggcctcttt ccgtcttgga aactcgtgac tttcaaactc agatgtcaga 300
 cctggagtgt cctcgtaacc tttttctttt cccggtttgt tatctttgag cttttgattt 360
 tgtctgatgc ttttcatctt caggagctct ttccactct cccactgtg ggccttcagg 420
 gtcaagttct gagtcacaag cgctttctct gaagtcccaa gccatagcca tgggtcatta 480
 ggangctttc tgnccacatc atggttcntt tggggggctt ggtccctcta agggcangaa 540
 gtccttggt catgccttaa 560

<210> 6558

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6558

gagacagatt cttgttttgt tgcgcagctg gactgtagtg tcacgatctc ggctcactgc 60
 aacctccacc tcccaggctc aagtgattct cctgcctcag cctcccaggt agctgggatt 120
 acagacgtgc gccactatgc ctggctaatt tttatatattt tagtanagat ggggtttcat 180
 tttgtcatgt tggccaggct ggtcttgaac ttctgatctc aagtaatccg cccgcctcgg 240
 cctcgcaaag tgctggaatt acagacatga gccactgcac ccggcccatt tggatctttt 300
 tttcctaaaa ctttattttt cactttttat tcatctcagt gtaacttcat tatgtattct 360
 tgnatatata aaatcactca tatactaata aattaaagt gaaatcatcc ttacctggct 420
 ctgccatgga tcgagggttt ttctgnaaaa tcctaaaatc tgggagaatc ttctattaaa 480
 gncccttntc tataccnctt aacctntggg aangggctcc nttacctggg 530

<210> 6559

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6559

```

agatggggtc tcactctgtc aaccaggctg gaatgcagag gtgcgatctc ggctcactgc   60
aacctccgcc tcggggggtc cagcaatcct cccacctcag cctcccaagt agctggggacc  120
acaggcacac gccaccaggc cagggttaatt ttgtatttt tggtagagac agtgttttgt  180
catgttgccc agactgggtg caaactcctg agctcaagtg atccgcctgc ctcagactcc  240
caaagtgctg gctgggatta caggcatgag ccaccatgcc tggccttaat ttgtattttt  300
aactattcat ttgacctctt ccatccttga atacatgaaa ttttagaaga cagtgtctac  360
ttaactgata cagcactctt taatagtcta tctacaagtt tatgttaaac tgtgtttctt  420
caacaatgaa actgatttta ttttggtcga agtcaaaaca ctnaaataaa ttcttcatca  480
atttctttna atcttcattt aagcnncnag ctttntgagg cntttaagg                    529

```

<210> 6560

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6560

```

gagatggagt ttgcccagg ctccagcctt gtcgccagg ctggagtga atggcacaat   60
cttgggtcac tgcaaccacc acctcctggt ttcaagcaat tctcctacct tagccccgcc  120
ccgagtagct gggactacag gcgtgtgcca ctacacctgg cttttttttt taaattagag  180
acagggtttc accatttttg ccagtctggt ctggaactcc tgaactcaga tgatctgcct  240
gcctcagcct cccaaagtgt taggattata ggcgtgagcc accgtgcctg acctatatta  300
agacttttta taccagaaa cattatgcca ttacgttgaa tatcacggtt ctgtctttca  360
agaagaaatt aagtcttcct tcaaccccat aagacaggat tgaaaaaaaa attagttttc  420
ttcaaaaagg attattaaat ttatttctca aaggttatta ttaaatttgg tcctcaaact  480
gngggctctg tataatggcc aganggtatt ttactctatt tgcatgtcaa aacggttang  540

```

gtannnccaa

550

<210> 6561

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6561

aaatagagat ggggtctcat ttgttgcca agactgggtca caaactcctg gcctcaagtg 60
 atcctccac ttcagcccc caaagtgtg gaattacagg cgtgggtccc catacccggc 120
 ccagtttgtt ttttaattta gaatttgccg tggaccaaca ggcagtcgta ttctccacaa 180
 ctagtgaca gctcatgtg catgtcatcc acctctttt tctccctcaa ctccctctct 240
 ctttctccct gtctctctct cccagagaaa gagaacataa ctggaaagtg agctgggtgca 300
 ctaaagcatc accaccatct gtccatttcc cacactagga gatacctctg tattacgcag 360
 tcccatggca gaagcttctg gaggaggaaa cagatttccc ttgcccttc agttgaagaa 420
 tgaacatcag gaccagagct ttgacttgcc aatgactagg gtggcctggt ctaatggaaa 480
 ctgagagcct ttatttctcg gctctgnttg cnaagctttg tcaaaccxaa natgctntgc 540
 aggtnggac 549

<210> 6562

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6562

gtggagtgtg tgagagagat aattcttcaa attcccttta gtgcctccaa cttctcagtc 60
 cgctgatttg ggaaacaaac tggactcaac atttttcacc ttccaattct ctagagggtc 120
 tggcttgacc ttctttcctt tggagcaatc ttctgtgtg gggaggaaga aactggcaaa 180
 accaccaag cttagttaac ttcccaagta accactaggc tcaaagaaat ttcacctgtc 240

ccagccctgt caaacagggg actacacact gctcctctgt cattccctct ctgtgtcctg 300
 ctgctactat cttcctcact ccttaggaaa gcacaggctg aacaggaaaa ttcttattaa 360
 gatacccaac aaggaggcta ccaatgagaa ggaataaaat gccactcttg gaggcacccc 420

 tatctctctg aatgaacctg tttagtgca gcatacactc atacngaaga aaaggaactg 480
 gctcgcanaa taagccctnc caattncnca aggcccaaan cggggc 526

<210> 6563

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6563

ggcttttgct ttctttattc agtcacgact acacgctcct atgtgactgt cctatggtac 60
 ttggggaccg ggcggtccac ctgcagcctg ggggaggaca tccctataat gaacatgctg 120
 cctgggcttc agggggccac ttigtgtggc aagatggcat ccaggacacc cccaagtgc 180
 accacctgca cctggtggaa gccgtgcagc tccagcaagc actgatactc gccaggctc 240
 cgctccttgc cttcagtctg caccagcatg ttcagtgact gcatcagggc gcgctgcgcc 300
 accctcttct cctcatccag gagcgtctcc accagcagca ggccggcccc tggcttgcag 360
 ctctcggcga ccctgctgag taacttgtgg actttgtcgt ctggccagtc atgcaggatc 420
 cggcacagga cgtacagntt caacgcttgg gaagggggtc cctgaaaaaa gtcacctgct 480
 gcgaantgga tctgnactgg ctgnngnccc gggggttggga aanggcnggc c 531

<210> 6564

<211> 411

<212> DNA

<213> Homo sapiens

<400> 6564

cagaattcaa aatatgaaaa ttatttttgc ataggaaaca ataatctctg gtaaacaatca 60

ttactgcatn taacaaaaca atgccttcaa ttaaaggggg aaagtgagtt tttaaacatt	120
aggggttaat ttagaagaaa atacagtata taataatctc aacatcatgt ttagggtaaa	180
aatgctataa tgtgaaaaaa gtcctaaga actggacaga acctaccta caacaccatt	240
taccgtgtat gttttcaata gacaaaacat attttgtacc aaattccaac agtggtaatt	300
ctatagttgt ggccctttta aaaatggcag cattgtactt gaatcagaaa gcttactggg	360
atttcctcat cgaaagtaga gattgcngnt aatcctagnn ccttnngnta g	411

<210> 6565

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6565

gagacagagt cttgctctgc tgctcaggct ggagtacaat ggtgcaatcc cagctcatca	60
caacctccat tcaactgcaac ttctgcctcc tgggttccaa caattctccc acctcaacct	120
cccagtagt tgggattata ggagcgcac accacaccct actaatTTTT gtatttttag	180
tacagactag gttttgccgt gaaggctggg ctggtctcga actcctgtcg tcaagtgatc	240
tgctgcctt ggactcccaa agtactacta ttacaagcat gagccattgt gcctggccca	300
taatgatcat cttaatctca ttcttgatat caagaggaaa gttttcaata cttcactatt	360
acgtaatatt ggctgtggag tgttctgttg ataaccttg gacagattaa aggaagtcta	420
ttctattcct cctttgccaa aagttttttt aatcattata gngctnaaat ttatcaaaat	480
ggtgctgcac ttactttaat cnggtaaagg gttactttta cagaggttta ccttaattgg	540
gaaacaantt gc	552

<210> 6566

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6566

gagatggagt ctcactgtgt tgcccagact ggagtacaac tatatgccta ggggcttaat	60
cagccctttg gatcttgaat catgatcgta ttgattttta gatgaatctg gggaagattg	120
atggacttaa atgagtcctta ttatttatga cctgatatat ttgtttactt ttccttacatt	180
ttaaaaaaat catcaattat tttaaaaagt catcttctct ctttaaaaaa cctgccttct	240
aggcaggagc acttaagacc ttgggcaaact cgattcattc ccttttgccc agctttctca	300
tcatttaatt tggaataaca aaagtctgcc cctcccaccc agggttgctg ctgactcaga	360
ggagacctaa gagaggcgga gcgctgagaa gtcccgaac tggctctggg ccctgtgggg	420
tggtnatgg ggtcatctct aaggaggtct ggtgaattgg aaggggctga cctnaccttc	480
tgtcccggac aggcactttg gggncntgnc ctggctggnc ccagnaccng gatgagaccc	540
gaaa	544

<210> 6567

<211> 515

<212> DNA

<213> Homo sapiens

<400> 6567

gagatggagt cttgctcttt cgtccagtc agactgcagt ggtcctatct tggctcactg	60
caagctccat ctcttgggtt cgcaccattc tctgcctca gcctcccaag tagctgggac	120
tacaggcgcc tggctaattt tttgtatttt tagtagagac ggggtttcac tgtgttagcc	180
aggatgatct cgatctcctg gcctcgtgat ccaccacct tggcttccca aagtgtggg	240
attacaggcg tgagccacca cgcttggtg gtttgcctct tagagtaatg aaaatgtcct	300
aaaattgatg gcagtgatgg ttgcacaact ttgtaaatat attaaaaacc attgaattgt	360
actctttaaa taggtgactt gcatggcatg tgaattagaa gttcagtaaa gctgggtctaa	420
aatctgggng ngnatatgga tatttaaaac cagcngaact tgnctttgca aaatttgaaa	480
tngggataat tttaanagtt tcctttcttt ctttc	515

<210> 6568

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6568

```

cgagtcagaa atcaatgttt actgcagaga acacagaagc cagcaagcag taggcaagg 60
aggcgtcgca gtgagtgtgt cgggcaggct gggaaccagc gcaacggccc acgtggaccg 120
aggactcacg cagagcaagt cacagaaagc gcagctgaaa acaaacggat gcttatccca 180
gatgcacagg acacttacca aggactgatg gtctatcaga gtaatgctca gcagctttgg 240
ctggcaggac agttaaactt ttggacaaca gaaagtaact gggaaatggg acatctgcca 300
ccaacacgag aggccaagac cacagctgtt acaggagggg tcagcgccac agtacatggg 360
tggcggcggc ggntgcacat gcatgcctgg ggaatgtgag tnttcagaca tgccaggcgt 420
ccagccttac caggaaacag gcnacnngg acccaggccc aacccttaaa acccttgctt 480
gatccentgg gttaaccggg ggcccccggn accncggggg ttgcctttct taananactt 540
ggaccttggg gcceng 556

```

<210> 6569

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6569

```

acctaaaact cagtggacaa actaaaactc agaaggtcaa aaagaaataa tcagtcacag 60
aaacagaatg ttatctaata ggcactaacc cataacaaaa gcaacatctt agacagaacc 120
aagtcctccc agttaaaatg aaggctctca ccttcctcct actaacattg ttccataata 180
ttattgtgtg atggttagga ataaatacat gcattatcat atccccaat agatagaaac 240
ccaaaaataa tcttgttcaa tagacagtaa ccctatatig actgatgtaa gccccaggaa 300
cttattcact gntatatccc aagcccctgg tacagggatt agcatacagg gtactcaata 360
aattctagtt gatctgaaac gaactgaact accttgtaaa tagtaggcat tgatagtaga 420

```

caggaatgta gatcagatat catgatcaga tntcatggca ngggttggag ggagaaactc 480
 ggttttgtac cngaaaggaa gaaacaaaaa tcagctncat taaaatgncc caatcccatg 540
 gttt 544

<210> 6570

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6570

aaatgataca gagtctccct ctgttgccca gactggagtg cagtggcaca gtctcggctc 60
 actgcaacct ctgcctccca ggctcaagcg attctcctgc ctccagcctcc cgagtagctg 120
 ggattacagg caccgcgaac cgcacccggc taatttttgt atttttatta gagacagggt 180
 ttcaccatgt tggccagggt ggtctcgaac tcctgacctc aggtgatctg cccgcctcag 240
 cctcccaaag tgctgggatt acagggtgtga gccactgcac ccagccgcct ttagatattt 300
 ctaaaatggt gcagccacta tgaaaaacag tttggcagtt cctcaaaaag gtaaattgtg 360
 agttaccata ggaccagca atttactcc taggtagtag gtttctctat gaaatcttcc 420
 aagataaaaa taaaaagaaa aacnnaaaga aaacttcatt tgctcttccct cggtcaccaa 480
 aataaaactc aaattccta nctggcttgg cataccaggc ccctttataa ctaactttta 540
 cctatctntn c 551

<210> 6571

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6571

aggaaagaga ccgattttatt gaaacatcac acaatttaca taaagaagaa acacaagcaa 60
 gagtggggtg aactggaacg cactttggct gcatcaaggc aaacctggct ttccaataaa 120

agctctgacc cgtagcggct gtggcacttg gggcatatga agcatcactt ttgacttccc 180
 tttattatta taattcttgc cactgaaaat agccactatt tagctgaatt atccattaga 240
 caactggagc cagaagcttc tacacattct agaatgtgaa caatttaact cttgctgcat 300
 caccagaaa aaatggtggc aggaatggtg agggagagga ggaatctctt gagttagagc 360
 ctcaggtctg aaaaggcaac tggtaggatc atcccattcc ctctcagaag ctctcgaagt 420
 ggaagaaaaa caagcaaatc ctaaagcaag taactttatt atcattcctt taaaaagaac 480
 cnagggaaaa ttcaccaccta tgtgaacacc aacnggttg gggttaagga ggtaaccaan 540
 gggccccctt t 551

<210> 6572

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6572

agtagagacg gagttttacc atgttgcca ggctggtctc aaactcctga cctcaggtga 60
 tccgccacc tcagcatccc aaagtgtggg attacaggca cgaggcactg tgctggccaa 120
 ctctctttct ctctctcttt taatctcttt attatggaaa ttcagaaact atacacaacc 180
 cagaatagtc tatgaactcc ctaaagactc atcaaccagc ttcaacaatg atcatctttc 240
 tgcccatctc attcctctcc tttttttttt tttttttttt tgagatggag tctcgtttg 300
 tcaccaggc tggagtgaac tggcacaatc tcagctcact gcaacctctg cctcctgggt 360
 acaagcgatt ctctgcctc agcctcccga gtagctggga ttacaggcgc atgccccctg 420
 gccagctaa ttttttgat tttttttaag tagaaacggg gtttcacat gcgggccaag 480
 ctggncttga ctcnggcct ttgactggca gcttggctct aaaggggctg ggatacag 538

<210> 6573

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6573

gcagaaaccc cccgcagcct caggaggcag catcagattt atttattcct actcaacatg	60
acccgggaac acaggagcaa ctctgtacac ttctagaaac tcacagctag ctccaaaaca	120
atagaaattt taaactacaa aagatgagtt gtattcagca aatataaagg gtaatttttag	180
actgtgtgaa cgtttatcag actatttaca gcacccggga gacgggttca gatctcgccg	240
gcctccttct cttctgacct ccgtgaagcc atcttcccg tggagctctc aagcctccag	300
tccgggggcc ctgctcgct ccgcccgtc tcccaggact cctctctgga tgcccgtct	360
ctggagaacc cctggttgca gctaccgaag gagtcagagt agttacttgn atttcgcact	420
tcggtcccgg gaagcccgc gatgtccccg gctgtggctt cnggaacngn tgcggtggcn	480
ccgatgctat ctngggaccg gganccgggc aaatttcggc gnttttcggg aggaaaactt	540
g	541

<210> 6574

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6574

ccgtgggatg tattttttaa tgagaacaca ttgttatact ctgagtacgt ggcattcttg	60
ctt gatagaa acatttaciaa ggacacatac acatttatat ccaaacaatca aatgaagtag	120
atattttaaa tgaccagttc gcacaagaaa taaaatatat tatacaaaac atgggttata	180
tccacagtca ttagttctcc ttttctacac aaaacagcaa taaattaaat cacattatat	240
gcaaatagtt agttgtacat tagaacaata aacagtatgt aacgtgtgca gcttttactt	300
ttacttttct accagactca tgatagattt gtactgtttg gtagtcctgt atttaaataca	360
acaatgaata atgtgacca gaagacaggg gtcacagaat tggctctgtca caaggtctat	420
cccatgtcct cttggtttca attatccacc atgcacaggg acaaagctc agattcccag	480
gacccaacac aaaggtctgc aacgaacaaa ctccaggaac tcctgctggt caagggtctac	540
tttat	545

<210> 6575

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6575

```

gaghtaagggt gtctcactat gtttcctggg ctcaaagtat cctcctgcct cagcctccta 60
agtagctggg aggtctgaggc ggggtggatca cctgagggtca ggagttcggg accagcctgg 120
acaacacggt gaaacatgaa accccacctc tactaaaaat acaaaaatta gccagatgtg 180
gtggcgggca cctgtaatcc cagctacttg tgaggctgag gcaggagaat ctcttgaacc 240
cgggaggcgg aggttgcagt gagccaagat cgcgccatcg cactccagcc tgggtgacag 300
agcaagactg tctcaaaaaa aaaaaaaaaa aaaaaaacca aaaaccaaaa aacattccac 360
tggtcatga caaacgaaga ttcccagtga gcccttccag aaccacagac tccgcaggac 420
agggtttctt tttgtgaggg gctgtcctgc gcactgtggg atgttcaaca gcaccctgcc 480
agtacacaag ccccaggtn t gacaaccga aaatgtctnc agaaatcgcc aaatnaance 540
tggttgggna 550

```

<210> 6576

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6576

```

aaagaccac gcgaagagct gagggaaaac tgtcagggtca aaaggaacat actggtgaat 60
taaaggaaca gaatgaagac atgtatggct ggaagaaaag gagaaagagt gaagcgtgat 120
gggtgggaag ggaacaaga gtcaaattgt gtaaggtttg taggccacat aatgacttta 180
cattttatac tggtatgaga atgggaagct gggtttgag caagggtgga acttggtatg 240
atttatattt ttatcagatc actctggctg tgctgtagag aactgattgt aggagaccaa 300

```


tagtgaaagg agggagacta gtttagaggc ttattacagt tagcaggtag aggttgcagt 360
 ggcttggctt agactattaa atantggaag tagaagaaaa ggtcacattt aggacatttt 420
 agaagtacag ctgacaggac ttcttgatga actaggtgta aagtatgang gaaagagaag 480

tccagaatga ctncaagngg ctggctgtac tgtggaangg agatgaatat tntagcccct 540
 tgaa 544

<210> 6577

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6577

agcttctgtg aacaacactg ctataaacat tctcataaac atcttttggg gaacatatat 60
 atgattacct gctgggcata ttcttagaaa tgtaattgct ggcaaatcag ctctttaga 120
 tgcagccagc ttccaattt accctattta cccttagggt atgaaagtct gagttactcc 180
 acatccttgc taccattga tattgngtat ctttttcatt ttgctattt tgctctatgt 240
 gtagtagtat tctatgggtg ttttgaagtt ccctaatac taatgaagtt gagcaccttt 300
 tcttatgttt actgattatt taggtatcct ctattgtgaa tgtctgttca agtctttctc 360
 ccattttcct actgggaaat ctgatttttt ggtttttttg gtttttttga gacggcgtct 420
 tgctctgnca ctcantcagg ctggagtga atgggccgat ctcggntcgg tgcaactctg 480
 ncttccgggt cagccatct gntggctaaa cctcccggan ntgggctatn gg 532

<210> 6578

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6578

gtaaaattct gtatgtatgt caccattttt ttccacatga tacacagaaa actcaaggac 60

ccagagggga accaagttat gttataccat ttacaaaata ccaaggagtc cacagctacc 120
 taacacattt actacagcac aggaaccaat gaaggtacag tgtacaaaaa actgtaaaca 180
 cggcacaata aatagataaa acagcagggt cgcaccatg cacatgatgt gatgacactt 240

 catctgctgt attcttaatt tacagatggt gatttttttt cctattaaca gtaagaaaag 300
 aaaaattgaa gcatgagaga tgagcattgc tgtcaagtcc ccacagctgc cacagaaacg 360
 catgtgctgc ttccatcat cccttgnatt caaaatgcta ctgatgcata gcacctaate 420
 aagggtccca ggcttnagtt tcaactcgan ggaagctncc gtaccttcat tggttctggg 480
 gtggctggta ttgtggtaaa tgcttgnatt tctggatcaa ggatttncct tggactggat 540
 ttccnaggat gaaaatgggc ctt 563

<210> 6579

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6579

cataaaaatg aatttttaatt ttcattgagca taataaaaaa aaacccaaac ctgtcccata 60
 cccctccac tcatgcaaac agtntcaaa tganattctt caaattttac gttttttcca 120
 ttctggctca ttctttgctt cctcatcatc agattcaact tgggcaaaca tggttttggg 180
 ctgagtcttg gaatatgctg ganaaaccca atatgggctg tcttctgctg ctttggcatg 240
 acncaaaang gnttcccgag gattactgtc atcggtcttg tccaaagcaa tgttcttcac 300
 aatataggaa gagagagtgc ccccggtgggt tccaactcgg ccaccacgac ctgggcctgc 360
 tacaggaggt tcaggtttat gcgacttcag gggaaccag tctgnccttn ttcagctggg 420
 tccttggact ccgttggcng gggcttacgg acatagcaag gcttgagggt gangaatgaa 480
 nccctggagt taaagcctaa cttggtttgg ctttccgtng gttttaaccn cccataaatt 540
 tggctccctt ttggacttt 559

<210> 6580

<211> 491

<212> DNA

<213> Homo sapiens

<400> 6580

```

atcttcactt aattgcatca caagtaacaa gaatgaaaaa ggccacagtt catatatattt 60
caccattaca tatgtctata atacttgaaa tgagtatggc aaaaccagca ctgcacaaag 120
atgagtccac ttcaagtccc atgagaaaga gcatgtctct aaagaaaaac aaacaaaacc 180
aaagcaaaat aaaaagagag gcctaaaggc cttggtgccc cattgtgttg gaattcatca 240
tattccatct tgactttttt gcttccagtc agccagcaga ctaaattttt gtgcttgttt 300
atgctgaaat tgattcaatc ctgactcaag ttcacttttg gacacagatc atattctgcc 360
tgttggatgc aaaagatgaa aatcctctta acttccaagt cttggntcga ctncctncca 420
nttcccacc cttatcaaaa tcaggatcnc caattaaaaa aaaaaaattn gaaattggga 480
aaaggggaaa a 491

```

<210> 6581

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6581

```

aagagataag gtcttagggt cttgctctgt cacctggagt gtagcggcaa catcacagct 60
cactgcagcc ttgaactcct gggctcaatg gatcctccca ccttaggctt gcaagtagct 120
aggactacag gcatgtggca tcacacctgg ctaatttttt tttaatttta tttttgtaga 180
gacaggctct tgttatgttg tccaggctct ctactttttt ctcttttttt ttccccccac 240
cccagatagg agtctctctc tgtctccaag gctggagtgc agtggcacga tcctgagatc 300
ctggcttact gcaatctctg cctccagggc tcaagtgatc ctcccacctt ggcctcctga 360
atagctgata caggtgcagc gggtgccacc acgcctggct aattttttgn atttttggta 420
gagatgggat ttcgccatgt tgatccacct gcctcagctt ccaaagtgt aggattacaa 480
gcataagcca cacaccctgn ctctttcatg gatcttctaa ntaccctaa cagtnccaat 540

```

nttaaagagg gtttttgg

558

<210> 6582

<211> 572

<212> DNA

<213> Homo sapiens

<400> 6582

gctctttatg taaagtctga ggtcaaggca aggtcacaga tatacagtaa ttgaacttat	60
agttttgctt tctccagcta gtactgaaaa tttataaaca tcttattaag gcacttaagt	120
tactttaagt tccttaataa gatagttttg tacaattatt tttgtagcct ctccaaaagt	180
gacaagtcac tgacatgtaa aaaagtagtt aatatacgct ctccagagtc atacgcatga	240
gattctctta agatccgttt gttctgcata atattaaaaa ttacgtatca aatccagaaa	300
atgaagagga catattagat tctgaaatag taaattcctt ttagttccca actcagatca	360
aatctgagca ggacataaaa aatacaatga aaagttaa aaggctctat taatgattaa	420
aagggtncat agtcccagta tgaattctaa gttggtaaat ctggccactt tanggaaggg	480
aaatagttcc taaaaacca accnttaac cgaccagggc caggttttca aaccaaagt	540
ctacttcata ccatttaagg atctcaatat cc	572

<210> 6583

<211> 523

<212> DNA

<213> Homo sapiens

<400> 6583

gagacaagag tctcgtcttt ttttaccag gctggaatgc agtggtgcaa tccccactca	60
ctgcaacctc cgctcccaa gttcaatcga ttcttctgct tcagcctccc aagtagctgg	120
gattacaggc atgcgccacc acacctggct aatttttgta ttttagtag agatgggggtt	180
tcaccatggt ggctaggctg gtctcgaact tctgacctca agtgatccag ctgccttggt	240

ctccaaagtg ctgggattac aggtgtcagc caccacaccc agcccatcc atactttcta 300
 acagaacctg ngttttattg aaagtatctc ttctcatcaa catccacacc tcgaaaacct 360
 ggctgntggc tgggataaan ttataaggg taggctcaag cttcttgaaa ggaactgggt 420
 taaagggcat gaaggcactt ntggngaagt aaccagaaa anggattana agacctnggn 480
 aaaggtttcc atactcctta cagaacttga ccngaccgag aac 523

<210> 6584

<211> 480

<212> DNA

<213> Homo sapiens

<400> 6584

gagacagagt cttgcctaag ctggtcttga actcctggcc tcaagcgatc ctccaccca 60
 gagtgtctggg attacaggca tgggccactg cacctagcct ntagcaagtc atttaatcac 120
 tctgtacatc agtttcctta tccataaaat gggaataata atatctcata gaggttgttt 180
 gaggatttaa ataaaaatat ttaataacta taaatatcat tgtccagaca caatgncatt 240
 tagcttttct cctatgtttt cttccagtag tttaacagtt tcaggcttta tgctgaagat 300
 gttaatccaa tttgatttga tttttaggt gggtgaggg taagggttcg atttcctct 360
 tttgcatatg gatattcaat ttccaaaca ccatttatg aagacactgg ctttcctac 420
 nggatattct ngaaccattg gtggaanatc aattgncnc agtgcattgg tctcttngg 480

<210> 6585

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6585

atgaaaaaaa gttgtgaaaa ttatttagg ctgattttag tgtaacattg tttttataa 60
 aataatttta taaaagagtc catcaagata ttatatagaa aatgcacact aaggtaatat 120

atatacactt cataaaaaata gaatacatct tggcaattgc ttagagtcta ttaccaccat	180
gtacagtgtg ttgacgtgta atatttatgt taatttgaac acatgagatt tttaaaaaac	240
caaacctgtc ccactggtat ctttaaaaat tgctttcatt gacaggaaaa taaacaaaat	300
tctggaaccg taaaagttat gaagctaact ggatgaaagt ttatattaaa atttttaag	360
ttccatgcca tgtacaactg acgtgagggc aaagcagtct tttttattat tattatcata	420
agnggtcagc tgatctcaca aaatcactga aaataatatc ctggtctgaa ngccaatca	480
ngataagccc catnnggat caaacaagcc ttttagnact ggnccatatt tggaaaanga	540
gggggggttc tcttnaaaag	560

<210> 6586

<211> 509

<212> DNA

<213> Homo sapiens

<400> 6586

gctttaagtt atgggataca tgtgcacaat gtgcaggttt gttacacagg tatacatgtg	60
tcatggtagt ttgctacacc catcacctg agttctgtta taatattatg ggactcccaa	120
aatacatgtg gtcttatctt tggccaaaat gttgtcatgc agtataccat tttagataca	180
tcaagaatct tttgcctggg tgtgtggctc atgcctgtaa cccagcact ttgggaggcc	240
gaggtgggtg gatcacctga ggtaaggagt tcaagatcag cctggccaac atggtgaaaa	300
cctacctcta ctaataatac aaaaaattag ccagatgtga tggctcatgc ctgtaatctc	360
agctactcgg aaggctgagg cacaagaatc gctgaaccca ggaggtggag gttgcantaa	420
gccaaatca caccactgg actccaatct ggggcaacag aancgagact ccgnntaaaa	480
aaaggaaaa acntntgcca tacttnaaa	509

<210> 6587

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6587

agctcatcag ctatcattcg tgtagcgta ttttacgtgt ggccaagac aattcttctt	60
cttccaatgt ggcccaggga agccaaaaga ttggatagca ctgccctaga ctatcagcca	120
cgccgctctg gctctcactt cccacttccc cagggcctgg ctcaatattt ttttaaaagt	180
atggtataaa tgaataactg atctcttggt ctgtctgctt taatcatgtg actgagtgc	240
aaaaaacaat taccactta aaaacacaga gatgcaagt aatcctttgc cataacaatg	300
agcccactct ttatcaatac cctgttggtgc caaacaggta gagaggtttt aaaaaagagt	360
caagtatccc aactcatatt aaatttcccc atattctcca tattttaaaa gcactggggt	420
aancatgggt gatgcccttt aagaattccg naccaaaagg attttcaat tccaatggca	480
tggactttca tcggtaattt tnaatgggcc aatnttaaag gtcacattaa cccgacaaag	540
cattttaact tctganttgc anggncgctt gggt	575

<210> 6588

<211> 581

<212> DNA

<213> Homo sapiens

<400> 6588

ggtagagatg tgagtctctc tatattgccc aggctggtct tgaactcctg ggatcaagt	60
atcctccac cttgtgtttt taacgggttt ggcacatgca tcccgggtgca ctgtaagagc	120
ctagcaaata gaaagtgtta ctggaatcat ttagtgtgaa atcttacagc acccactcta	180
ataccagctc caagaagagg gggatgtgca cctactttgt gctgtggggt atcccaagt	240
tccagaacaa tgcctggcac atgtagacgt ttaataaata ctgcatata tgaatgaatc	300
ctctatgtgg cagattttta aacaccgcan gaaagacagc tcagactcct ccccgacca	360
gcagaaagtt tacctttcan ggtagctaca gcctnttcca ctgaccang aaggaaagcc	420
ccgctttcac gtcttttaaa agtaaccaa tcggcttggtc ttgccngga agtccttntt	480
aaggctttaa caaanccttc aacttgcttg nggaaccang gccccagcc cataagcttg	540
acaccaaggc cttacaaagg aaaaggang gccattncc t	581

<210> 6589

<211> 394

<212> DNA

<213> Homo sapiens

<400> 6589

```

aacctaaatc catccattta ttccttcagc caacattttc tgggattcct tgtgtgctag   60
gcctcgtgcc accatctgga gatgcagaga ggcgggagac ccatgtggcc tttgaggggc  120
tttcaggctc gtgggggttc aggcacagac accaccaatc tgaaccaggg gactgcagga  180
tgctgggtta ggggagagag gggtaggctg gctggcctag ggggtcctca ggaagtcttt  240
gggggtaagg agagaactcc tgaaaggtaa ggagaagccg agggctaagt tacatttcga  300
gtggatggga aggggtgtgg actgactggg ctcctactca ctattgggga ctngntatgc  360
tggcctggcc ttanagncct cananncagn taca                                394

```

<210> 6590

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6590

```

gagacggagt ctcattctgt cgcccaggct ggagtgcagt ggcacggtct cagctcactg   60
caacctccgc ctcctgggct taagcgattc tcatgcctca gcttctggag tagctgggat  120
tacaggcacc caccagcacg cccagctact ttttgtattt ttagtacaga tggngtttca  180
ctatattgtc caggctggtc tcgaactcct ggcctcaaat gatccacca cctcggcctc  240
cgaaagtgcg tgagccactg cgcccagcca ccaacacttc ttccaatcat ctcaccacaa  300
tcctaattgt cattaaattg gaaggacgga gagaataaag ttcatcccca gccttctaga  360
acagagtacc aaattgctgg cctagggcca aatgtaaccc acagatatgc tttgnctgcc  420
tacactggtt tagaagattt tgagttcatg accgattttt aaaattggga acatttaaca  480

```


taaaaatnca tatggttnaa gtttaccaa actcanagga ttggcccaag tggncaccagg 540
ggactggact naaaaatgg 559

<210> 6591

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6591

ctgagtcgtt ctcgctatgt tgaccaagct ggtctcaaac tcctggactc aaacaatcct 60
ccgctttggc ctcccaaagt gccaggatta caggcatgag tccctgtgcc cagcctgata 120
tggtttggat ttgtgttctt gcccgaatct catgttgaat tataaccccc aatgttggag 180
gacaggcctg gtgggaagtg attggatcgt gggggcaaac ttcccccttg ctgttcttgt 240
gatggtgagt tctcatgaga tctggttggt taaaagtgtg tagcacctcc cccttctctc 300
tcttctcctt gcttcagcca tgcaggctgt gtctgcttcc cattcacctt ctgcatgat 360
tgtaagtttc ctgaggcctc tgcaaccatg ctctctatat gacctgaaga tccatcagcc 420
aattaagcct attttcttta tgaattaccc agcttangta gntctttatn ccgaaaagag 480
ggntaattga cttacaagtt ctggataatg tgggaggccc aggaaactta aaacctggng 540
gaaggcaang ggaancangg cccct 565

<210> 6592

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6592

ggatttttag tagagacggg gcctctccat gttggccagg ctggtcttga atgcccagacc 60
ccaggatgatc cgccacctc ggcctcccaa agtgctggga ccacaggcgt gggccactgc 120
gcctggcgtc attatcattt taacattgct gctgtatntt cccttgtagg gacaaataat 180

atgactat	ttt tccac	tccct	tgctc	caa	at catc	agcata	aatag	caa	ac	tattc	aagga	240
ggacag	actt	ggca	agg	aaa	attcc	agg	ct ag	ctatt	atg	gcctg	acagg	300
ctctta	atga	aagt	ac	gaag	tgc	caa	aaca	atg	ttt	aattc	aaaa	360
tggttt	tata	aagg	agg	aaa	acact	gag	tc	agaca	cat	cta	agcac	420
aatttc	tncc	tggt	ttt	gg	tga	cat	ggg	c	ttac	atga	ac	480
gccaga	agac	ngat	gat	caa	ggg	ctt	ntaa	ccag	gana	ag	cttttt	540
agcact	tttc	antt	act	tga	ccg	gg	aaa	ac	aatt			575

<210> 6593

<211> 481

<212> DNA

<213> Homo sapiens

<400> 6593

ganac	ggag	t	ctgt	ctnt	gt c	accc	agg	ct	gg	act	gcag	60
caacct	ntgc	tcccc	agg	tt	caag	ta	at	tc	tctg	cc	tna	120
tacagg	catg	tgcc	acc	acg	ccc	ag	cta	at	tttt	ggg	ttt	180
ccatgt	cgac	cagg	ct	gg	tc	ttaa	act	cct	gac	ct	ca	240
ccaa	agn	gct	ggg	att	acag	gctt	gag	cca	ctng	cc	ctg	300
catt	cat	gaa	gct	g	aat	gn	ct	tg	ata	a	ca	360
aaatt	ttg	cc	atg	tan	acca	cac	att	tatt	aaa	agg	gat	420
ggact	tn	tc	ccat	n	ccaaa	g	ting	cc	ttc	attt	tga	480
t												481

<210> 6594

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6594

gaggcagggt cttccctctg ctgacaggct ggagtgcagt gatgtaatca tggctcacta	60
cagccttgac ccccagagct ccagtgatcc agtgatctat ctcagtctgc cgagtagctg	120
agaccacagg cacattccac cagctgacaa aaattagccg ggcgtggtgg cgggcacctg	180
tagtcccagc tacttggagg ctgaggcagg agaatggcgt gaaccagga ggcggagctt	240
gcagtgagcc aagattgccc tactgcactc cagcctgcgt aacagagcga cactctgtct	300
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aangaagaag aggaagactg tncagactac	360
tagagattat ggcaacctct ttctcaatct tggtttcttg gtttttggtt ggtatttgng	420
gagatgggat ctcacttttg tgcccacctg ggctnaaact cctgggcttc aagngggcct	480
tccaccttaa ncttcccata nggctggaaa tacnggentg aaccccccat ggcctgggct	540
ggaanccttt tttttttttt tttggnaaag gagtn	575

<210> 6595

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6595

gaaatggggc cttactgtgt ctcccaggct ggagtgcagt ggcatgatca cggtccctg	60
cagcctcgac ctcttgggct caagtgatcc tcccacctca gcctcccag tagctgggac	120
taaaggtagg tgtcaccaca cccagctaata tttttttttt aagtagaagc ttactttctg	180
aggtgttaaa ttctaggttt ctattattca aatggcaatg ttaagcaggc tggatgaatat	240
ttccgttttg agttcattgg ggaaatatga aaaataacat gtgaagtaat cctttgtaaa	300
cagaaaaatc tcaattctat tagaatttat tccttcagca aatatttatt gggcacctac	360
tgngtgtcag gcactgtact ggggtgctggg gtagaatcat gatgaattg gataggaaca	420
gttacgacct tcatggagtt tcattacaat ttaantagnt canccggntt ctggagacct	480
ttttttgagt actgggnaaa tatnttgaan ccac	514

<210> 6596

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6596

```

gggattttgt tgttttattt tattttattt tatttttgag acagagtgtg gctgttgccc 60
aggctggact gcaggggcat gatatcagct cactgcatcc tccacctccc ggattcgggt 120
gatcatcctg tctcagcctc ctgagcagct gcaatgacag gtgcacgcca ccgcatctgg 180
ctaattctttt tgtattttta gtagagacaa ggtttcacca ggttggccag gctgggtcatg 240
aacttccaac ctccagtaat ccacccgcct cagcctccca aagtgctgga attacaggcg 300
taagccaccg caccggcct agatgttggt gtttagaaat gccccccag accgggcgcg 360
gtggctcaca aggtcaggag attgagacca ttctggccaa catgggcgaa accccatctc 420
tactaaaaat gcaaaaatta gctgggcgcg gtggcacntg cctgtaatcc caagntactc 480
ggaagcttag gcngganaat cgntcgacca gggagtcana agttgcaatg aacctgaaat 540
gn 542

```

<210> 6597

<211> 568

<212> DNA

<213> Homo sapiens

<400> 6597

```

gtgagacaga gtctcgctct gttgcccagg ctggagtgcg gtggtacgat cttggctcac 60
tgcaagctcc acctcccggt ttaccccat tctcctgcct cagcctcccg agtagctggg 120
actacaggcg tctaccacca cgcctggcta cttttttata ttttagtag agacaagggt 180
tcaccatggt gaccaggatg gtctcgatct cctgacctca tgatctgccc gcctcggcct 240
cccaaagtgc tgggattaca ggtgtgagtc accgtgcccc gccctgttta tgttttaaga 300
ataaagttca cataataatt aagtgcttag gtaaaataat tagcaagtct tttgggttga 360
tccaaattaa agctgggtgt gcctaacatt cttttcagtt tctttgactt caaatgctg 420

```

aaccacatca acatgtttga aaccatgcac tattatTTTT tggataaaat ggTcagacaa 480
 tgcttacaac agctagaatc tatatnggga cattttaaag gggaccncc aagaaccccc 540
 ccccccgng gaagaaaatt ccaaattt 568

<210> 6598

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6598

gagacagagt ttCgtcttTg ttgcccaggc tggagtGcaa tggTgtgatc tcagctcact 60
 gcaacctccg cctcctgggt tcaagnatt ctCctgcctc agcctcccga gtagctggga 120
 ttacaggcat gcgccaccat gccagctaa ttttgnattt tttagtagag acgggtttct 180
 ccatgttggT caggctggTc tcaaactccc gacctcaggn gatccgcccg cctcggcctc 240
 ccaaaatgtt gggattgcag gcgtgagcca ccgcgcctgg cctattatac tctttaacag 300
 ccctacacta agcctttcag gcaggctaaa tccacagcgt tcccatcacc aaagctgtca 360
 aagaagcaaa gtagccatga tgcacctgng ctTcaaagcc attcattcat tcattcattc 420
 attcattcat tcattcattc atttaacaca aggggttcan ttccctggcc tttttttctt 480
 cccaaaccct tgggtaatnc cangccttn tagannactg gcncttaaca a 531

<210> 6599

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6599

aaattcaaca ttttaattgt gatataactt atgtaaatac tttccaaaaa gtatctaaga 60
 tattccactg tacaacacat caaaactatc tgagaagcgg gagacaataa agtgtaaata 120
 aggcacacag ttTactctg taattgcacT ctaaactgtt gaatagtTga tatttacaac 180

cccccaataa cgTTTTtGca tcctgaatta gtccttcaca tcttgatatt tggcataatg 240
 ttcaaacaca ctttatacac actgaccgct ccttaaacca ctcacagatt taataaatac 300
 cgaaaaaatt aagagatttg aaggcttgat ctctatatta cttcaagatg acagaagagt 360

aggtttcttg tgatgaaata ctacaagaat gaagaattaa caaactgggtg ngtaattcat 420
 cagaaaagca tattaacttg ctgaagtcca ctgaatgaaa ccaaaatgaa gctgggnagt 480
 ancnatctga ntagcaggct ggcttctatg gtcccatact tntcgnagnc 530

<210> 6600

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6600

gagacagtat ctcaccctgt ggcctaggtt gcagtgcagt ggtatgacca taactcactg 60
 taacctcaaa ctctgggtg caagcaatcc ttctgcttca gcctcctaaa agccaggaca 120
 acaggcatat gccaccatgc tgggctaatt tttaaaaaca tttttgttga gacagggtct 180
 tgctatgtta ccaggtctgg tcttgaactc ctagcctcaa agtgatcctc ttgccttggc 240
 cacgcaaagt tctgagatta caggcatgaa ttaccatgcc cggccaggac cagcactttg 300
 aattaacttt gaattattgc ttttctgttt tctgcctcat taatttcctt tatctttttt 360
 ttcttcttgc tttgtaattc ttttctagc tctttgagtt gggaatttaa atcccaattt 420
 tcatccttcc atttttactg atggtaaata tttaaggnta tacattttct tctnaagact 480
 gntttaaata tatctcaaaa atctganggg atgaaggtta atatcaacg 529

<210> 6601

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6601

aaccaaataa gggatgtttt ctgccactgt cttcaaataa ttttcgaccc ctttatctct 60
catttcctat gggactccaa ttaaggcaga aagacttcag tttttccac acaagctaag 120
cacaggcaga aaatttcctc agtttttcta aaaagcagca aacttgcata gctcagctat 180

tatagttagt tctttcaagg attatctctt atttgatttc cacttttttt tttttttttt 240
aatacggttc ctggggtctt ccctgcatac tcacagcagt cgccagggat atgggcagag 300
ttcatacttt aatttgggtt ttagcccttt agcagctctc tcagtcccag gattttcctc 360
ctaaacccca agctgctctg aaagtcttct aacataataa gccagtatgg tgggtggtggt 420
ggggggnttt ctatctctga aactatgcaa gttaggaaac cccttggaatn aaaagctncc 480
aatcncaatt cttaccact ggtttactac cttttaaga ataaactt 528

<210> 6602

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6602

gtccagacag ggtctcacc tgctgcccag gctggagtgc agtgaagcga tcatagctca 60
ctgcagcctc cacctcctgg gctcaagtaa tctcccact ttagcctccc aaggagccag 120
aactacaggt gtgcgccacc gcaaccagct aattttaaaa aaaaattttt tttgtggaga 180
cacagggtct cactgtattg cccaggctgg tcttgaactc ctggcctcaa gcaatccacc 240
cgccttggca tcccaaagtg cggggattac aggcatgagc gattgtgcc tgaaattttt 300
ctgattttac taagcacttc ctaccgcaa tttgcagttt ctcttcctcc acctcctgct 360
tctagacct tctctccac ctcttctgag ctctgcttgg cctcccagcc tgttgccctc 420
anggtcttca ccatggtgtg gctgccctgg ggagacactg cttnaaagcc ctggccttggg 480
ggggancctt agncctatct tcatttctct tccatctggt acacaagg 528

<210> 6603

<211> 527

<212> DNA

<213> Homo sapiens

<400> 6603

aatgttttat	ttttttgaga	cggagtctca	ctctgtcact	caggctgcaa	tgccgtggcg	60
tgatctcggc	tcactgcaag	ctccgcctcc	gggtttcatg	ccattctcct	gcctcagcct	120
cccaggtagc	tgggactaca	ggtgcccacc	accacccccg	gctaattttt	tgtattttta	180
gtagaaacgg	ggtttactg	cattagccag	gatggctc	atctcctgac	ctcgtgatcc	240
accctcctgg	gcctcccaaa	gtgctgggat	tacaggcgtg	agccaccgtg	cccggcctga	300
aatagacagg	tacttttatt	tctatttcac	agtccaagca	gctgacagag	aactgtttaa	360
ggacttgctc	aagatctcta	agctagttag	aggcagacag	aggcaaatta	gagagaaaat	420
ctcaagtagt	tttctcttaa	ctttttgctt	ttcctaacaa	ccaatgctca	ataagaggaa	480
ttgggctggt	atatattaag	gggataattt	ccgggaatgg	gatcaan		527

<210> 6604

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6604

ggtaactgca	agacacaacc	cagggttaacc	agaagttact	gtgaaattct	caaacttgca	60
aaagaagcaa	atatctgcat	ataaaaattt	tgtttcagga	gaatactagg	gggaatttag	120
actggagaaa	catttccact	tgtgtattga	aaagaataaa	atcattattt	aaacactcta	180
agcttcaaac	tttccattaa	tccaaactga	cctacttatt	aactcaaaat	gctagtgttt	240
tctcctatca	tatacgtcaa	tacgcatatt	acaatggttg	ggcacatgag	tatagggtct	300
ctatatctaa	aactttgact	taaagttaac	caactatttc	tcaaatecct	aaaataattt	360
tcgtggataa	tttttcaata	gccttataag	gcatacaagc	ataactggct	acaaaaaagt	420
gtatatgtaa	aggaggttaa	tggccttgct	taattaaaat	gnaaaacttt	agcatcttaa	480
aatncattta	tgggatttna	aggngcttc	annaagtc	ccc	tnttt	525

<210> 6605

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6605

```

agacggagtc tgcctcggtc gcccaggctg gactacagtg gtccaatctc ggctcactgc   60
aagctccgct tcccagggtc acaccattct cctgcctcag cctccggagc agctgggact  120
acaggcgacc tccaccacac ctggctaatt ttttgtatgt ttagtacaga cagagtttca  180
ccgtgttagt cagtattgtc tcaatctcct gaccatgtga tccgcccgcc tcagcctccc  240
aaagtgctgg aattacaggc gtgagccacc acgcccagcc aggtagttct ttatagcagt  300
gtgagaacag gctcatgcag gtctggtgga aggtgattgg atcatggtgg ctgtttctca  360
tggtttaaga gcatccccct tgatactgtc atcatgatag tgaattcttg ngagatcttg  420
ntgnctaaaa gtgtgtggta ccttccccat cttttttatg gncctgnttc taccatggna  480
aaagnatgct tccacttig                                     499
    
```

<210> 6606

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6606

```

catgtttcgg gattatatat atgcacaaac tttatttccc taaaaagaga ttagatattg   60
ttcggtagta tatccaacta cataatttta ccaactacct cacacttata attcttttac  120
tatgtgcagg cagtgttcta tgtactttag gtatattaac taatttaate attcaacaac  180
cccatgaggc tggcattggt cattgatttt aatgagaaag ctaagagagg aaataagtag  240
cctttcaaag gtcacacaga agtaagtac agatccagga ttcatatcca agcattcttg  300
ctctagtgtc catgcttctc aaccattatg acccaatatt caaccaaate aatactgaag  360
gacacgtgaa atgtatcggg tattttacta ttacaaacaa aaatccaatg aacattcttg  420
    
```

aagacatacn caaaaataat ggntcaatag aagttactgg aattgnaatt ttgggtcaac 480
ctatattnaa atgnaaggct tttggaatag ctaaatagaa ttttgaaatg gacagnnta 540
acggttgga 549

<210> 6607

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6607

ggtagagaag gggtttcacc atcttgccca ggctggtttc tctgggtca agagctccac 60
ccaccctggc ctcccaaagt gctggaatta caagcatgag cagctgcacc tggctccttt 120
tctataaatt ggggtgtgcag caaggacaca gcaaaaacaa aacagatata ctttactccc 180
taaaaacaac aaaattatga tgtaccacaaa atagaaaaat ctcactctat acactgattc 240
ttttcaaact ataacaagta tacaataact agtatttccc gtctttcatg agatatttgt 300
aaagtctgcc gattagttat ctatcaagaa ctttaaggaaa aaatgcccc attgccaac 360
atgaataact aatttggatt caacatggac actttacata aacttttata ctttggtatta 420
gagatTTTTT ttcttgggct ccatacagat tctaaatgct gacttccaca ttacaaaag 480
cagcagacat tatttttnc tggagaaaag ggctcaatat antggccagc ttggctcant 540
cng 543

<210> 6608

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6608

gagacagggt cctactgtct caccaggt ggagtgcagg agcaggatca tagctcacca 60
tacgctcgaa ctctgggct caagcatct tccacttca gcttttcgag tagttgggac 120

caaacacaag catgtgccac catgcccagc taatTTTTTT taaaatTTTT tgttgagatg 180
aagtctccct atgttgccca ggctgggtctt aaattcctga gctcaggtga tcctcctacc 240
tcagcctccc ggagtgtctg gatttcaggt gtgagccact gcatgcatcc ctttagtggt 300

atcttttgca acttttagtt cttcaaactt aatTTTTaat tacagttatt aatacccttt 360
tctaagttag aaatgtgtac cttttcaca agatTTTtaga ttgatttgaa attgaggatt 420
ttatcttata atttcctctt aacagccctt ggganaagca ggTTTTgctt ggtgaagcca 480
anggagagag aaccgaaccc ngacacttna ggtcatcctt natttgggga ttaccnggnc 540
cgatt 545

<210> 6609

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6609

gagacggaat ctactctat tgcccaggct ggagtgcagc agcatgatct cggctcactg 60
caagctccgc ctcccggtt catgccattc tcctgcctca gcctcccgag tagctgggac 120
tacaggcacc caccacatg cctggctaatt tttttgtatt tttagtagag acagggtttc 180
accgtgttag ccaggatggt ctgcatctcc tgacctcatg atccgcccgc ctacgcctcc 240
caaagtgtg ggattacagg cgtgagccat cgtgcccacc caggatctac attttaacaa 300
gatctcgatg atttgtgcat gcattaaagg ttgagaaagc actagtctac atgccatct 360
atctggacac cccacagcca ctccagccca gcatggccat gctgaatgca gacccttcc 420
ctagaccaca aaatttctgg ttggggtttc ctttctgatg aacaggttct atcctatgna 480
tgagaaatgg gaatgtggnc tggaatgggg tcaatgtccc cgcctgnggg tggcttactt 540
tttnaag 547

<210> 6610

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6610

ctgaaagatt taggtcttta acatccttga gttaaagtgc acaaagggtg tctaattgcca	60
tctgactgag gtgtaaaagt ctaattaact aatgcttttt gcagtgatag taaatcagtt	120
aacattatta atcttcctga ctaggcgtaa gtgagtgagg agggctattg aaaaggagct	180
aaacagttag actgggtacc cttgaaaaag aaaaggaact ctgaaagtga tgactgatga	240
tactgaaaat aactgagata cttaaaatcc aaccgctcgc cgggcctacc accaggcaag	300
agactctgaa agctgaggct gcagctccag ggcagggaga ggaagaggag gagctaggcg	360
gccgtgaaat gactctcatc tcccatcctt ccctcccagc atcacccgag agagacacga	420
ctctcacgtg ctggaggctt cctgccttaa attaacgtg naccttttca ctaatggttt	480
cagtagaccc aacccaaaagt ttggagaant tgagccaatg actccaccgn ggggcccgt	539

<210> 6611

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6611

gagacagagt tccgctcttg ttgcccaggc tggagtgcaa tggcacgac ttagctcact	60
gcaacctccg cctcccaggt tcaagtgatc ctcccgcctc agcctcctga gtagctggga	120
ctacagatgg acaccaccac atccagctaa tttttttttt ttttagagat ggggtctcgc	180
tatgttgccc agggtagtct caaactcctg gcctcaagt atcctccac ctcaacctcc	240
tgaagcactg ggattacagg tgtgagccac catgtcagcc acgagcattt tttaaatggc	300
tgggggaggg ggaacaatat ttcctaacac agaaaattca aattccagtt tgtaaagctg	360
aattggcaca cagccatgcc cctcatttac atattgtccg aggctgcttt tgcaactgcag	420
tggcagaatt gagtcgttgc atcggagacc acgtggccac acaggctaaa atatttacca	480
actgggcctt tacngagnaa agtncccaac ttttcttang cttnaaanga agggnaaatt	540

<210> 6612

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6612

```

agacagcattc tcaactgtcac ccaggctgga gtgcaagggt gtagtaatca tagctcactg   60
cagcctcaac ctcccaggct caagtgatcc ccctggctca gcctcccaag tagctggggac  120
tacagggtgca tgccaccaca cctagctaatt tttttttttt tttttttagt agaaacaggg  180
cctcattatg ttgcccaggc tgggtctgaaa cttctgagct caagcagtcc tcctccctta  240
gcctcctaaa gtgctgggat tacagggtgtg aactgctgca cccagcctac tatacttttt  300
cttnggtatt ttctctgtgg tttccatgag ataaacaact tttatttgc tcaatttttt  360
tttttttttt tttttaanat agagtcttgc tctgtcacc aggctagaat gcaatgggtgt  420
gatcttggct tactgnaatc tccgccttct gggttcaagc gcttttctgg ctaaccttct  480
gagtactnga ttacangngc ccccatgtgg nccaagttaa tttgggcctt taaaa      535

```

<210> 6613

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6613

```

aagatagagg caaggtctca ctatgttgcc catgctgggtc tcaaactcct gggttcaagt   60
gatcctcctg cctcagcctc ccaaaatgct gggattccag gtgtgagcca ctgcacctgg  120
cctgtgtttt aaatattttt aaaggactct tttcatcaga gtattcttcc ttgagggaag  180
gaaaagaatt tacttagaac ctttcatcca gtgcattcaa ggtcatgcac aaagcttcca  240
aattccaaca agcaaacgcg tggcgggtggg ggcaggggca ggaaggccca gggaaggaaa  300
atgtccgata tgaaccaatt accatctcct ggtcccctcg gaggcattctg tggcttgact  360
tctcccacgc cccatagacc cggcaccgtg taataactgg gcccggtgcc tnacctgaaa  420

```

actgggggtc acacggcctg tctgaaaaac cctgatgtga taaacaccnc agagcancat 480
 tacattttcc tattgccna ctgggttaaa gaaacncitt gggaaaaaat ggggaancct 540
 t 541

<210> 6614

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6614

ggtggctcac atctgtagat gcagctactc aggaggctga ggtgggagga tcaattgagc 60
 tccggaggtc gaggctgcag tgggctgtga ttgcaccact gcactgtagc ctgggcgaca 120
 gagcaagatc ctgtctccaa aaaaaaaaaa aggaaaaact attgtttttg ccatcgccac 180
 ccagtaaaca tagttactga tatTTTTact tgcagtgtaa ctttctggcc ccttcccata 240
 atcacatgta ttTggtAagc tttTgtttc aaaataagcc aataacattt aataagaaac 300
 aacagtatat ttgtctgttt tcatgtctgt gataaagcca taccgagac tgggtaattt 360
 acaaagaaaa agaagttgaa tggactcaca gttccatgtg gctggggagg cctcccaatc 420
 atggcagaag gcgaaaggca ngTcttgcat ggtggcagcc aagagagaga atgagaacca 480
 accaaaaggg gtacttaaga cctttggcan ganaatggcn tgaacccgga gggggacctt 540
 n 541

<210> 6615

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6615

gagacagagt ctcgctctgt caccaggt ggagtgcagt gatgcggtct cggtcactg 60
 caacctccgc ctccaggtt cagccattc tctgcctca gcctccaag tagctgggac 120

tacaggcgcc cgccaccacg cccagctaatt tttttgtatt tttagtagag acagggtttc 180
 actgngtttag ccaggatggt ctggatctcc tgacctcgtg atccgcccac ctccgcctnc 240
 caaagtgctg ggattacagg catgagccac catgcccagc tgtaaaagcc ttttggcttc 300

 tgatccagtg cttttttcac acctcaacat atatcatccc aaattcaatc tattggtagt 360
 gtcttttctca ggcttaattt ccaactattt catcaaaaag atatttatta gcccgcactg 420
 tactaagctg gatgctacat atgaacaag ggccaatttt agacaggnat ttttggccaa 480
 agttatacnc agggttccat taaggaattt tttgtgcaan ccntttntt ggacaaggaa 540
 cagggnntcn cgtttta 557

<210> 6616

<211> 501

<212> DNA

<213> Homo sapiens

<400> 6616

gagatagagt cttgctctgt taccaggct ggagtgcagg gcatgatctt ggctcactgc 60
 aacctctgct tcctagcttc aagtgattct cattcctcag cctaccaagt agctggcatt 120
 acaggcacac accaccaggc ccggctaatt tttgtgtttt tagtagagat gggctttcac 180
 catgttgtcc caggctggtc tcggaatcct gacctcaggt gatccacca ccttggcctc 240
 ccaaagtctt gggattacag gcgtgagcca cagtgcctgg ccacactgag taattttttt 300
 tttttttcan acggagtctc actctgtcgc ccgggctgta gtgcagtggc gtgatcttgg 360
 ctaccacaa cctntgcctn caccttccgg attcaagtga ttctctgnct naccttccaa 420
 gtagctgaga ttacaggngc caccacatg cctgggtnaa ttttggggtt taagnnaaac 480
 caaggttcac tataccttg g 501

<210> 6617

<211> 507

<212> DNA

<213> Homo sapiens

<400> 6617

acacaatttt actttaaat ctgggataca cgtgctgaag atgcaggttt ttacatagg	60
tatacgtgtg ccatggtggt ttactgcacc tatcaacctg tcatctaggt ttttaagccct	120
gcatgcatta ggtatttgtc ttaatgctct ccctcccttg ccccccaccc ccgacaggcc	180
cccgtgtgtg atgttcccc ctctgtgtcc atgtgttctc attgttcagc tcccacttat	240
gagtgagaac atgtggtgtt tagttttctg ttctgtgtt agtttgctga ggatgatggt	300
ttccagcttc atccatttcc ctgcaaagga catgaactca ttctttttta tggctgcata	360
gtattccatg gcttatatgt gccacatttt ctttatccag tctggcatcg atggacattt	420
gggtatgatt aanangctga ngagtttctg naataagatt ctttncctgg nccctttctt	480
acagacttaa atgctagaag tncatat	507

<210> 6618

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6618

gtttgttttt atttgtcggt gttgtttttg agacagggtc tcactaaatc accccaactg	60
gaatgcagtg gtgtgatcac atctcactgc agccttgacc tcctgggctc cagtttttgt	120
tttttgtttt ttcttatgct ggtgtttcac ttaaaagcac agaataacta tgctctgtat	180
gtacaaaaat gaaatatatt cccttttatt tctattgttt ttgagggatc tggtagaggaa	240
tgttgacgtt aactattatt gatcatgtta ttattactat taataccacc ttttaagctag	300
ttcttacatc catatatatt cacctgccaa acagtaaagg caaacagtca ttcttngtt	360
tttttgnttg nttgnttctt gctttgccct caaccaggc tagttccaaa caagtttcca	420
ctcaactnct aacccatagc ctggaacttt catttgctgn ttcatccta tcctttncag	480
cttggaatt ggaaaatacn tntaagnntc ttaccgatgc aaaaaaagt ttttaagnccc	540
attc	544

<210> 6619

<211> 322

<212> DNA

<213> Homo sapiens

<400> 6619

gagtcagggt ctcactctgt cactcagtct ggagtgcagt gacatgatca tggctcactg 60
cagcctcaac ctcagggtgtt tttttttttt tttttttttt ttttttttag ttgggtgaat 120
actgtaaaat tgtatttatg ctgtgttttt tttttttttt ttttttgagt cagggtctca 180
ctctgtcact cagtctggag tgcagtgaca tgatcatggc tctactgcagc ctcaacctca 240
gggtgtttttt tttttttttt ggagtgttgc actgtcacct gggctaaagt gcaanggctc 300
catntnagnt cantgnaacc tn 322

<210> 6620

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6620

gtggcagcaa acattttaat tgtaaacagc aaggctctct gccaggcagc ccagatgaac 60
aggggtggca ctgtgctggg gtgaggtgct ttctttgtgg gaacgaaagc agacggccca 120
ccctcgtcta gccctgggcc cctgtcccca aggccagctc gctgagcctg cgctcctcct 180
ggaagcggat gagggcatct ctctggttga ccaaatecac cagcttcctc aggacctggt 240
cctcagcctg ccgatcagca gctgtcttta ggttttcttc ccggttcatt tagcctcgta 300
gtccttggtc cagctgccac tgtttctcct ccagattcaa ttcctgcacc gngatcatga 360
actcggnetn ctcagcacca agctgntggt cttgtcaacg agctgtanca actgnctacc 420
cataagttct ttttgctggt ctgggggaact gnttttggcg ccttaanggc agttcaagtt 480
taacgccctt gggcttanct tctnaaggn agcctcaatc taattaancc cccttggang 540
gctggg 546

<210> 6621

<211> 487

<212> DNA

<213> Homo sapiens

<400> 6621

```

agttgagacg gggtttcacc atgttggtca ggctgggtctc aaactcctga ccttaggtga   60
tccaccgccg tggcctctc aaagtgctgg gattacaggc atgagccacc acacctggcc  120
tcaagactta ctttaaatta aaataacagg agagaattat agaatgacaa tcaccaagga  180
ttctaaaagt ctacataacc ataagcacia ttgttcacag agcatctaga cccgatctca  240
gtaagaaaca atgaaagcac tgacttggca ccaacacgag actgaaaaac cagaccacag  300
gcttctctta aacatcaaca tggccttggg agtgggcagt ggaggacgc ggaaaattta  360
tagcctccta aaaagatccc gtctgctttc ttaaattctt cacctcgctt atttccttan  420
tgctngctc atcaaaaagc ncaaattaaa tcctantcag ggcatccagg tttagaaaaa  480
ntntntg                                         487
    
```

<210> 6622

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6622

```

gctgntgtta ctggggaact tnttgcatga naatatttgc atatatgaat ctccagtncc   60
aagcatacnc caaaaatggg tncatttcan atgaaggaca taacanagcc ctaataaaat  120
acanaattga gcttaattta atttaactgn cttgggcaac catcatgcct ggctaatatg  180
ccatattatt tccgttgnac acagtacatg tttnggttta ctaaacttg atcaaaattg  240
atcgaaatct ctaagttttg gttacatgt ncagagaaca attgctcanc atggcattta  300
aataaaacag taatatttta aaaattcaca aatccaatgc acaatttatt ttaaaaaaat  360
    
```

aaaatttaaa aaccttgagg gatgggatga aggctttggg naattaacct gaaaaacnaa 420
actnacccaaa aacttccaga accaggttgg ttcnnggatt atacntttaa acncttttaa 480
agnggactcc tggc 494

<210> 6623

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6623

gagatggagt ctcgctctgt catccaggct ggagtgctaa tttttgtatt ttactagag 60
atggggtttc accatattgg ccaggctggc ctcaaactcc tgactttgtg atctgcccac 120
ctcagcctcc caaagtgtg ggattacaag tgttggtgcc gtgagctgcg cccagccaac 180
tactgtgact tctaaaaggt gaattattata aaattctagc ttaaccaatt tccctccgct 240
tcatcgaatt ttggacattt gaacttcata acaattcatt tttgttttgt ttcgttttgt 300
tttgagacgg agtctggctc tgtctccagg ggnggagtg agtggcgcaa tctcagctca 360
ctacaaccac cgctccgggt taatgagatt cccctgcttc agcctccaag tagcccggga 420
ttacagacat gtgccaccac gcccaagtta ttttttgat ttttaagtaa agacnngggt 480
ttaaccatgt cggccaaggg tgggcttnaa cttctgganc cttgnaatcc ccnncctttt 540
ggaagg 546

<210> 6624

<211> 505

<212> DNA

<213> Homo sapiens

<400> 6624

gagatggagt ttactcttg ttgcccaggc tggagtgtag tggcatgac tcagcttact 60
gcaagctcca cttctgggt tcaagcgggt ctctgcctg agcttcctga gtaactggga 120

ttacaggtgc ctgccaccac acccagctaa tttatgtgtt tttagtagag atggagtttc	180
accatattga ccaggctggt cttgaactcc ggacctcgtg atctgccagt ctcagcctcc	240
ctcccaaagt gctgggatta caggcatgag ccaccacacc cttttttttt tttttttttt	300
ftaaaggagc taagtttctc ctgtatctta aacagagagg cttcatagtg tagtcaatgc	360
tcatcattga ctcaattcta gggtagcaat ggtgctggaa acaaaggaga tacatcaaaa	420
atnctaccta gcagaaaact nttccctatg gatgggcitt aaaacntttt aaaataacctn	480
ggnaaggcna atttgaaaaa gggca	505

<210> 6625

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6625

aatagcagtt gtccagtgga attatgtgtt tatttgtgtg attaggattc tctctctctc	60
tttcattctt attctctgat ggtgggggcc atgttttcag tcaccctat atatccatag	120
tacaacaaca tgtccccac aaaagactaa ttaaaagaaa aagaaactca actatgtatg	180
tgtgttcctc tacgtatatg catagggaaa atgtaaaaac tagaataagt atccatttgg	240
taagattaac agggatgctt tattttcttc tttttgcttc tgggttttca aaactttata	300
aacggttatt ctgtaatcat gcaaaaattc aattaaaaat agatacacgt tataacggat	360
tgaatttgtt tccccaaaac ggtgtgtcga agtcctacct ccagtaacct gtgaatgttg	420
ccctcttaag aaaaagagtc ttgtcagatg taattaagat gtaagttata cagattaggg	480
tggccctaaa tccaatcact agtatcctta aggaaaanct tngagaccgg cacaccccg	540
aaggacccag cc	552

<210> 6626

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6626

gagacagagt ctcaatctgt tgcccaggct ggagtgcagt ggagcgatct cagctcactg	60
taacctccac ctccctgggtt caagtgattc tcctacctca gcctcctgag tagctgggat	120
tacaggcgtg caccaccaca cccggctaata ttttgtatit ttagtagaga cgggggtttca	180
ccatgttggc caggctggtc ttgaactctt gacctcgtga tccacctgcc ttggactccc	240
aaagtggaga aatatitit ataatgaaga caagactcat gcaaatatca gatggaaatg	300
taccaaagat tttattttaac tcaagaaata gtcatatgtt acatttgatt caaaggaaaa	360
atcccataga taaatagaca atagacagat aaatgataga cagattaaga tggatggatg	420
gatggatgga tggatggacg gatggatgga tggatgaata gggtaataa gggaatgctg	480
gtgctgaaat ggattaccaa atntngccaa atgggtggant nctggatgaa gcttcaaggc	540
attccctn	548

<210> 6627

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6627

ccaagaaatc ttaatttctt tattgtttga ctttttgact caacaatttt tttaaaactt	60
tttgtttttt tctgaaacgt tcttgttgtt atgagccttt tgttttgctc tcgttaaagt	120
cactcgaccc aaaatttggtt tggcatatcg aaaaggagac caaggaggga ggggctgggg	180
cgtgggaggt ggggaggagg cccgaatgga cagaaagttg aggataagag aagaggaca	240
tagagacagc cagaaagaca tggggaaaga gtgttgagga cagagaaagg ggaaggcaag	300
ggaaagccaa aagaaaccaa aatccagaga aaaagaatta acaagattta ggagcaaacg	360
agttcaggag cctaaggaag ggagtaggag aggaaaccaa gacccttctc tgtaccgtcc	420
cagctggggt ggggccgtca aggcaccagg tctggntagg ttggggggac acctgggctc	480
tggggccggt ttgactgga ctgcatgat gtccagccca cangggggcc ctgcacacag	540
tttttn	546

<210> 6628

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6628

```

gagatggagt cttgctctgt caccagggt ggagtgcagt ggcgtgatct cagctcacca   60
caacctccgc ctctgggtt caagcattc tctgcctca gcctcctgag tagctgggat  120
tacagggtgtg tgccaccaca cccaactaat ttttgtatit ttagtggaga cgggggtttca  180
ccatgttggc caggctggc ttgaactcct gacctcatga tctgcccgcc tcggcctctc  240
aaaatgctgg aattacaggc gtgagccact gcgccaggcc gtatttacca ttttcaaaaa  300
cttgagcat atctactct actcaaaaca gtaagcccat aaactgttta ttgagtttta  360
aaatgtttgg aaagtatcta tacttatttt ttacggagta atgctatcta ttcatagtat  420
tactggctca gggaagattc tgcctagaat caatatatca caaagcaacc caggagcagg  480
atgaacctaa gggagaaata tggctggggt tctnctgggg aggaaatgac tgganaattt  540
taaa                                                    544
    
```

<210> 6629

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6629

```

aacttgaaca gggaaagttt aatatagaga attactggct ttaacagtga actggaataa   60
tgagggttc actggtaaaa tgcttctgaa ttgactggaa atccatttgg ggtgctgggg  120
aacgttattc ccagagaggt gcctcagtgg aggcgctgtg tctcctacgc aacttctgag  180
ggctggaggg tgccaagggc agctgctgac cgcctggtgc ttcaggagct ggggtgctggg  240
gaagccacat gcactgcggc gtccagaggc agaagcaca ccaacaagaa ccacgaagga  300
    
```

ggcgcctttc ctccataat gcctgtttgg tgccctctac tgacaaagct tatccccctt 360
 caaaaaactg ccaactgaaa aagctgaatt tggaacataa agtcaataaa tccataacca 420
 gcaatactat ggggcctggg gtgcgctggc ctttantgag tggagtgggg ccnaaggatg 480
 cttgcatgtc ctgcaatggc acancgggcc ttcaccgggg gaaaancatt cctggaaagn 540
 gtcata 546

<210> 6630

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6630

gttttttttt tttttcacct ttaaataaaa atactttatt cattcctgat aggttatcaa 60
 aatgtacact gttaaccaag taaaaatggg atgctgaaat agttaactag ggcatatttg 120
 aagaattttg tttactttta aaagaggaaa aatcacttcc aatcttcct tccacacatt 180
 cctaacaagc ctgcactata cctgcttaaa actgaaaata taaacaatta catgggcccc 240
 acttcattac agaatgcatt ttcctgtact cttaaaggaa gctattacat tgaagttacc 300
 ttcctttgcc aaaaactttc agacaagttt actgctcttt atattttgtg taactttgta 360
 aattatacaa gaaatatagc acacaacttg aattaatcta aaaacacata cacataaaca 420
 caggataaag tgcaacacaa caggaacatg gtctggcaac attcactttc tnaaaccccc 480
 ccgaaaggat ttcggagtaa anggaataan gtggtctcaa ggcttgacct taaatcacca 540
 gaataggtat tttcccn 558

<210> 6631

<211> 527

<212> DNA

<213> Homo sapiens

<400> 6631

atttaatat ttttat ttaa tcttttaatt ttaaaaaaaa acccattaac agtacatttt 60
 ggtctaaaaat ggtccctctg ctgaaatgct aggtgctagc cgtaattctg gctttaaaaac 120
 caaaacccca aatat ttaaat aaataaaaaat tagaattagt tgccattcta ctccaaacca 180
 gctagcctag ctgaagagaa gagggaaggg ggaagaggcc agagaaagga ggaggcagtc 240
 agatcttaga cctgtcgcta cagggacagc tgaaagaagt agcactaaga aagatcatcc 300
 gagcagtc cc cagtacagcc cccacttttt ggcagaggta gggttaagggt tatgtgcacc 360
 ctctctctac cctcaattca tttgtgtcat agaggggagaa agttaaaagc tcagctttgg 420
 tttctggccc aagttanggg agcttagaaa nggtaaccct tggccagct tttggcagaa 480
 tganggccca cagatnggac aattanggca caanccttgg cnttga 527

<210> 6632

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6632

agacggagtt ttgctctttt tgcccaggct ggagtgcatt ggtgcactct cggctcactg 60
 caacctctgc ctctgtgtt caagtgttc tctgcctca gcctcccaag cagctgggat 120
 tacaggcatg caccatgccc ggctaattct gtat ttttag tacagacagt gtttcactat 180
 attggtcagg ctggtcttga gctcctgacc tcaagtgtc caccgcctc ggcctcccaa 240
 agtgctgggg ttacaggcgt gagtcactgt gcccggcctc aaaaatcttt aataaagaac 300
 ttgctataat acagggaaga ggataattct gctacattgg agaaaggttt cttctcctga 360
 gacaagatgg accaagtctc tcaatccgca aaaacaatga aaaacaaaca acgatgtgtc 420
 aatacttagc attaaagaag agtaattttt ctat ttttaa aagttcatta attttctggc 480
 tattaanaaga caaattctnt aaggattcaa tggattgaat atngggggaa aggaagaaat 540
 ttaan 545

<210> 6633

<211> 400

<212> DNA

<213> Homo sapiens

<400> 6633

```
cagacggagt ctctgttgcc caggctggag tgaagtggcg agatctnggc tcaactgcaac 60
ctccacctcc tgtgttcaag tgattctcct gcctcagcct cccgagtagc tgggattaca 120
ggcacgtgcc accacgcccc gctaaattnt gtattttcag tggagatggg gtttcaccat 180
gttggccagg ctaatctcga actcctgacc tcaaatagac caccgcctc ggccctccga 240
agtgctggga ttacaggcat gaggcgaaga ccagcctggg aaacatatag agaccccatc 300
tttataaaaa atgcaaaatt ggccaaacgn ganggcacac acttgtagnc ccagctactt 360
gggaggctga ngtggnagga tcccttgaac ccannagttg 400
```

<210> 6634

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6634

```
ctttgagaca gggctcttgct ctctcaccta ggctggagtg cactggcaca atcacggctc 60
actgcagcct cgaactcctg ggctcaagtg atcctccac atcagcctcc tgagtagctg 120
ggactatagg cacatgccac catacccagc tgatttttgt attttttgta gagacggggg 180
tttgccatat tgtcctggct ggtctcaaac tcttgggctc aagcaatcgt ctgcctcggc 240
ctcccaaatt gcaaagatta taagcatgag ccaccgcgcc cagcctagat tcgtcattct 300
aaactgcagt tagaatcatg gtattccctc ttttaattcag tgtatcctca ttgtctgtac 360
tagggtaaac gtccttcaca cggttcataa ggcctttgta ccacggcccc agctcacgctc 420
tctagcctta ccccttacca tttgtattac aaccctgtgc acgatccatt ctgaacaatt 480
taccaattcc ttaagtaaaa gccaaacttt ncttancctc tgaatctaga aatcctatgg 540
ccngga 546
```

<210> 6635

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6635

```

agaaatgcc a gacactaatt acaagactga agatttgtga ttattaaagt gataagtttc   60
cagtgcata tacatgaaat gccagcacat agctaataatc actgaccaca tggactgctg   120
gggacatgga ttcctaaatg ctatgtatgt gctcactttc actttaatgt aagttttaat   180
taaaagcctc attacttggg ctctcctgtg tatatatggc attagtgtgt attttagatc   240
atctcaaaat tggcaaaaac aattatggtt aaaaataata gtatttataa aaatttatat   300
agaacttctc cagtaaattc atcaaaaata ctctgattta tctatgcaga ttgcaggagg   360
aaatagagtg ttttgccatc ttaggactcc acctttgcct ggtactgaaa cttttaaact   420
aaccacagta aatagtcata tacaggacaa gatcagactg gatataagtg acataagtca   480
aatacttcaa aatcctttct gcatccaatc tctcagaaaa gattaatttc aaaancctgg   540
atctggctat t                                     551

```

<210> 6636

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6636

```

aagggtgttac ttggctggat caattccagc atctaattta gttaagagac tttaaaaagg   60
gattatatat tggagaaaaa ggcagaaatt aaaagtgtat tttcagtctt aatatctcac   120
ataaatgacc ttagaattgg ctatgttagt agttagttta tgtggtacat gttaaacacc   180
agtagagaaa caactatggt tgtgattaaa tcacttgact ttcctgccag agctagaatc   240
ttaactcctt taaaagacga ctctgggaaa tccagtgttt gtatgtaaaa ataaaaggta   300
agttaattct agattgaggg gcagaggcta tttcttaatc tccaatctcc ttgggaaggg   360

```

aaagtattag gaggcagtaa tggagtagaa aggtggggat ggcaaataag agaaagattt 420
aatgtaacaa aactgttttg ccctcttctt aagtaaataa ttattggaat aattagtgn 480
accatcacat agtaatgn gn attttgggct tgactaagt ggtaanggat gncctttinat 540

tcacctttct 550

<210> 6637

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6637

ggtagagatg aggtcttgct atgttgccca ggctggctctt gaattcctgt actcaactga 60
tcctcccacc ttgacccctc aaggngctgg gactacaggc ttgagccact gcgcccagac 120
gaggaatccc gctcatagga gggttgttgt gctgtgagtt gtcaaagtgc tcacagggt 180
ggcgccctcag gctaccatta aagtgttgcc tcagccagta gggataattg agaggtaccc 240
agagctatag cttcaagttt ggtctttgcc agtgaatcca aatgcagggt tctccctgtg 300
tgctcagctc gtgctccac aggtttcatg gcttctcgt acacaatgcc atgcctat 360
gaatcacact agggctat 420
gagcttattc tctattgaaa tagtgttata aatgggagct gngttcttag agagacccn 480
aatggntca tagatcataa agtaatngag aaaagttaaa tacgcttggc atgaacaagt 540
n 541

<210> 6638

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6638

gccaatgcat tttcagctct tgggatgctc ttcacacat tttcccatcg tttctgcgat 60

gcctttgtgc cttattgtta atgaaagaca atctataaat acagaaaagg ccatatttta 120
aggatttctc attggacaag caaatatctg taacataata gagtactcga aacttaattt 180
actatcctat ttctctaata acaagtctca gatctaagag ggaaataagg aagacaggga 240
~~acaatatcaa acatgctcat caaataactc aaagcaaaca ggctaactcc agtcatttgt 300~~
taacaaattt taaggatcgt ccatatatac gtgtggcgga aagcatgtgt ccaggcaatg 360
caaacctgca agaagaggac atgccctctg aggtctgacc ctgccttcat ttccagcctc 420
agctcacatc acttttacct tcgnggtctt tgaacataca ttggcctttt ctggctctaa 480
gcttttaaac attacctagc atactcttaa cttcagcttt tcaattgcct aatccatcnt 540
acccttttgg ttca 554

<210> 6639

<211> 493

<212> DNA

<213> Homo sapiens

<400> 6639

gacataagtc ttgctctgat gctctgatgc ccaggctgga atgcagtggc gccatctcgg 60
ntcactgcaa cctctgcctc ccaggttcaa gcaattctcc tgcctcagcc tcccaagtag 120
ctgggattac aggtgcccac gaccatgccc ggctaatttt tgnattttta gtagagatgg 180
ggtttcacca tgttggtcag gctggctcgc aactcctgac ctcaggtgat ccaccacct 240
tggcctacca aagngctggg attacaggca tganccacca cacctggctg actttagtnc 300
tttnntatgt gatgaatcac atttattgat ttgccgtatg ctgaaccaan cttgcatccc 360
agngataaag cctacttnga ccatgggtgga ttagctattc tgatnttact gctgggattt 420
gggtttgnct cnttatatct taaaggattt ctgcctttan ttanacctta tgggataact 480
gggnctaata ggt 493

<210> 6640

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6640

```
cccttgagac agagttttgc ccttggtgcc cagctaaatg aagtgatggt ggatatgtaa 60
taattataca tctatcaaga ctagtttggt aacttaacaa atctcagcaa tcccttactc 120
ccttcataac agaagtgcgc agaatacaac ttttctaaga gagtatctaa ggaaaatggt 180
aaagtgaaca actgaatcta agtcttctcc ctgacagaaa tgcttagaaa ggagtaaaag 240
ggagcagcat tgtggcatta ctctagactc agggaatccc tgcaactggt ggaaaactcc 300
tactcaaaaa gatgtataaa catgtacaag gatgttttgt tcttgatagt aggggctaaa 360
atttctggac accatggtag agctgctggt acagagaaac taagtgccat ggatctgtgg 420
tttcaggtga agtagaaaaa gaatgaattt agaaaattgg aggttcacgt tagaagggtg 480
tgtgttctga acaaaggaat gaatgnctgg tgaagaattt atatggggng aatccagccn 540
caaagctngg c 551
```

<210> 6641

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6641

```
attgtagaga cggttttgcc atcttgccca ggctagtctc aaattcctgg gctcaagtga 60
tctaccacc tcggcctccc aaagtgctgg gattacaagc gtgaagtacg catccagctg 120
gtatttgatt ttaaaaatca ttttccaat tgtccactgc atatatatag aaatacaatt 180
taattttgta tgttgacctt gtattcttgt gatcttgcta aattattagt tctagtagct 240
ttttgtaga ttcattagga tttctacat acacaatcat gctatttgca aataaaataa 300
tgcttttacc cagtttgga tttactgtgt ttccttaatc taaaaatggt atgtctttga 360
ttctggaaaa tgctgtgctc ttatctcttc agttattgct ttgccccat tctcttaatt 420
atcttttgct agaactctcc tctgtaacct cagcctctc aactttncct taaatttcta 480
ctttccatt ttctgggggt cctgggaata atttctagat tatcttccat ttactaatct 540
```

n

541

<210> 6642

<211> 287

<212> DNA

<213> Homo sapiens

<400> 6642

caggagggtg tagatccttt atttcctgca ccacacgcac acaggctgac aagcaatagg 60
agattgagag gtgctgtgtg aaggggggca ggtacctgca ggaggcctca gtcccagccc 120
ccagctattg aggaacaaag gtgtgggaaa gggcanaaca tggaagagga agccaggggc 180
agggaggggg ggatcaagac agaggggana ggggctgggc catggatggg agcctggaca 240
ccccaggcc actggcanaa gaaggagggt nggganaggn naccnc 287

<210> 6643

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6643

gagacggagt ctgctctgt cgcccaggct ggagtgcagt ggcgggactc atgatccatt 60
tctttaagg gcatctgtgt ttaaaatttt tagngataat atttcttaca tcatcatgta 120
tattcataat tgaacaatga ttcaccttta tttattcttg nttaattgtt ctatcattta 180
tctattgatg atgaacctca atctattaat ccaaagtaag aatatgatct ttgcacattt 240
ctgatatcta tccaattatg ttttctgttg gacctcanag tttcagacac gtagtattca 300
tcgtccatga ctcaaagcc accagtggtc atcattggtc catgtttagt agaggtgggg 360
tttcaccatt ttggccagac tggnettgaa ctctgacct ganggggatc caccacctn 420
ggccttcaa aggctgggat tacaggcatg agccaccaac ccggncaggg agacagttct 480
naataccacc ttaaggccct ttctggtaaa ngctacatnt ggataagtct gggtgggttn 540

<210> 6644

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6644

```

gtatcaagca tattcctctc ccaaacttca taaaccacca ctatgttact caagctagaa   60
acctaactta tcatgctgga tttcttcctt ttcccttattt ctgacatcaa gtcatectaa  120
aattctgtca tttgtatctc aaaaatatat cttgtatcca ttcccttate cccatttcca  180
cacacatcac cctagataag caagcatcaa atctcaccta gagaagtcct tcacaatttc  240
tagtaagcat acaaattacc tggggatctt gttaaagtgt acattctact ttagtaggtc  300
tgaagaaaga ccagagactc atcttttctt acaggcttcc agatgacatt gatcctgcc  360
ttccatggat caccatttta atggaaggtc tagattacct caagagtatc tgtattgcag  420
gtccaattt catcctcctg cattctactc tncaccaagt agntagaggt gatttttaag  480
aaaataaaaa gccgattttt aaatatctgg aaaataagct ttatttnacc tcaagagaan  540
ccaacttttt tcagnng                                                    557

```

<210> 6645

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6645

```

aatgaaaata caaggcatgg agatgtggaa agacaccttg ctttattact ggtattatta   60
gttctatagt ataattcata tatcacaaaa atcaccattt ttaagcatat atttcagtgt  120
cttttaccat attccaaaag ttctgcaacc atcaccacta cctaattcca gaatattttc  180
ataatgccaa aaagcatgcc tgtacctatg ggcagtcact ctccaattcc ccacttctta  240
cagtctctga caaccactaa tctactttct ctatatatag atgtacttgt tctgggcact  300

```

taattcaaca aatggtcctg ggacaactaa atatccacat gtaaaagaat caagttagac 360
 tccctcctcg cacataaaaa ttaactcaaa atggatcaga gacctaaang taggtggtaa 420
 aattataaat cacttagaaa tagtaaactt ttggaatggg ggataagcca aggtttccaa 480
 atntgactgg aagcccagcc accaangaaa aaataatggn ttcataagg tnaaacantt 540
 ggggtggaaag. n 551

<210> 6646

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6646

acattattaa gcaaagtgga atatttattg ggtcatttta tcatgcagaa agtgaatttc 60
 ctaaggcttt agctcaatgt atatacaatc tagcaaagct aaatgtaaga aaatagcaag 120
 gacaatttat ttctatataa cagggcatat actcccaatt tgctgctact tcaaagagca 180
 ctttagact catctaactt ttacaggctc tttcaagtga agttcatgga gactagttat 240
 taatccatat aagacaaaag aagaaagaag aaatataacc aaagcaaagc attctgttaa 300
 aaaaaaagt aataaaagct aaccacagaa tatgtcagtt ttggtttgca gacaaccctt 360
 gagattatat aaaccaaagc gtaagacac caaatagtca gaggtaaatt actaaggaga 420
 attacattca tacatggngn catagcactt atcttttana anggactttg gttaccattc 480
 caaaagcggg tactggctng gatttttcag gaaaatagng aattttaaga aggttcttaa 540
 aaaatatacct tttccttttg naaag 565

<210> 6647

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6647

gagatggagt cttgctctgt cgcccaagct ggagtgcagt ggctcaatct cggctcactg 60
 caaactctgc ctctcgggtt cttgccattc tctgcctca gcctcccag taggtgggac 120
 tatagtgcc tgccaccacg cccagctaatt tttttatatt tttagtagag acagggtttc 180

 accgtgttag ccaggatggc ctgcatctcc tgacctagt atccgcctgc ctggcctcc 240
 caaagtgcg ggattacagg catgagccac tgtgcccggc caattttaat tttttctaaa 300
 atacataaac aaaagagcat gagttctatg acatcctcaa aatgtattgc tctcttgcg 360
 gtttatcaca accttatttc taaagctatc ccttagcaga agaaagcctt acatatttca 420
 tctgattgat cctgatatat caggtangaa ataaacagta ttatggttna attctagact 480
 gtattaagta agccacatnt ggaattggaa cctggttnaa tnnaaagccc aatcactggt 540
 caaaaatcnt tttnt 555

<210> 6648

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6648

cagacggagt cttgctctgt cgcccaggct ggagtgcagt ggcgcgatct cggctcactg 60
 caagctccgc ctctcgggtt cagccattc tctgcttca gcctcctgag tagctgggac 120
 tacaggcgcc tgccgccacg cctggctaatt ttttttgtat ttttagtaga gacgggggtt 180
 taccgtatta gccaggatgg tctgggtctc ctgacctgt gatccaccg cctcggcctc 240
 ccaaagtgc gggattacag tagtgagcca ccgcgccag cctacatgct gttctttcta 300
 accaaaatat actccccgg ttcttcacgc agatagcaac ttattatcct tctgaatacc 360
 acagccaagt ctatctcatc tcttgccca attgccacca tcaagtttc tatctnaggc 420
 tggttttaat cccttctggg acacttatca aaaactggaa tgtgggtacc taacttnaat 480
 agccatnatg ctctcttctt ggtaaactgg aaccggaatc tgggttnggg nattccattg 540
 anccttcctt aaaaaccaan gg 562

<210> 6649

<211> 522

<212> DNA

<213> Homo sapiens

<400> 6649

```

aagatagagt ctcgctctgt cgcccaggct ggagtgcagt ggtgccatct cggctcactg   60
caagctccgc ttccagggtt cagccattc tctgcctca gccgcctgag tagctgggac   120
tacaggtgcc tgccaccacg cctggctaata ttttttttgc attttttagta gagacgggggt   180
ttccctgtgt tagccaggat ggtctcgatc tctgacctc gtgatccacc cgccttggcc   240
tcccaaagtg ctgggattac aggcgtgagc caccgcgccc ggccaatgtg atgtcttcat   300
tcttgtagt ggcagaatac acgagcaatg tgggacgggt ctggggaagt tggaaaagaa   360
tctctccctc atgctggagt aaaagtcnat tcccactccc aagctatcac ccaccacaca   420
actggcacca caagggcaac ggntnttgcc aagaagcnga agcanactcg nggtggnggg   480
atccaaaaaa agttctgntg gttctggagg ggaaattgaa aa                       522
    
```

<210> 6650

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6650

```

gagggtacat cgggggagag gagaggagag gagagcctct ctgtgccttg gtttccatt   60
tgtgcattca gggcctctgc aggcctcaca caggaggtct gaggggatag tgtttaagt   120
agcactcagg cttcctctga ggaaaagaaa tgaccaaagt gcagactttt attactgcca   180
ttcctgctcc taatgggagc aggagtcaaa aggaaaaaca aattaaaagg ggctaattgag   240
aaaggaggag agatgagaca gagagtgtga agggctatgc cgctggcatc tcataaattc   300
ttattgagaa tggcacaggt attaaaagg tttctgggta gtctacgaga aatgtcaatt   360
attatctcta ctacaactac ttacatatat ctaatgggga aaagaagtgg ggcttaagt   420
tcaaatgga ttgggagacc aaanggagaa ctnccttat taaattccac caaggtggaa   480
    
```

ggtacctggc ccantcctta aaaggatttg nggccaatgc ttgcactttg gtggccagga 540
aaatcttttg accccatttc ctc 563

<210> 6651

<211> 519

<212> DNA

<213> Homo sapiens

<400> 6651

gagacagagt ctcactctgt caccaggct ggagtgtagt ggtgtgatct cagctcactg 60
caacctccgc ctcccgggtt caagtgagtc tctgcctca gcctcctgag tagctggggt 120
tacaggtgcc caccaccatg cccggctaac tttgatcagc ctttgatgtg tcttgggact 180
gaggaagaca gaaggagtca aagattaggg taatatatttg agcccaaatt actgaggaat 240
aatacttttc ttcgtaacaa cggggaaatt aacaaaggaa gctatgtttt aggttacagt 300
gggatattta aatgtaaatt atggaggag ataactgaac taaatttagg aaagagaaca 360
caactataaa ttcagacttg caagtcagcc ttatggaagt gaagtagaac aactgagtta 420
tgaggagaat gtataaatgc aggaaggac tctattgact aataaatggg gttcataatc 480
tgcacataaa tgatgagact taaaaggnaa tctgctntg 519

<210> 6652

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6652

actgctttgt aaatagctgt tttcagttta taactgggac tgatctttac atcagggttt 60
ctcagcctca gcacttctga cattttggga ggggtaattc tttgaggctg ctttccttgt 120
gtattataat ctatttagca acatccctgg cctctacca attcatgcta ctagtatccc 180
tctaattgtg acaaccggaa atgtctctaa gaattgccaa atgcctagt aaatcatcct 240

cgctccactt ttggcaacca ctgtttcaca tgatacctgt ttttttgagg tgcttttagta 300
 ttctgtgata ctaagaacaa gggtttcata tcctgacata acacatagac attactaatt 360
 gaactcttcg ctccctaagg atgttaccta tggggaatca ggagctggaa atagaagatg 420
~~gtatacatga ttttgattat ttctccattc cttttaattt tgggacgtcc ccttaagtna 480~~
 aaccaaacca aactgttaaa atcccttaac nctaattttt tcatat 526

<210> 6653

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6653

aacatttttg ttacctttaa tatatttggg aacaaatact gtgacaacat attttaagta 60
 cataaataac tcagaaaagt catatctttt attctggaac tctactgacc ttatctgtat 120
 aaagaaccta gttttataag aaaaaggggg tgaggaggagg gaagagagaa atgcgtagac 180
 tgaagaggaa tcaaagctca ggattcttca caagtgcagc agcttccaca gctggcccag 240
 aggatggttag ttgcatatac caggttacgc taacctcaac aagacctagt tctcacacac 300
 aaatgtgtcc agtggataaa acctcagctg cagaaataga ttttagcaat atccaaagac 360
 attccagggt ccggtaggaa gaacaaaagt atggcaaaat tgaaaactac catggacttg 420
 gcagcatcca agggcatcac caggggggct ctttcatgca tgcctagagt cctgnaaact 480
 taaccaagg tttnggatgn aaatggtanc nggttcatta aactggacac cg 532

<210> 6654

<211> 348

<212> DNA

<213> Homo sapiens

<400> 6654

gagacggagt tttgctcttg ttgccaggct gtagtgcagt ggcatgatct cagctcactg 60

caacctccac ctcccgggtt caagtgattc tcctgcctca gcttcccaag tagctaggat 120
 tacaggggtg tgccaccacg cccagctaan ttttgnattt tgtaaagaca gcctggccag 180
 catgngaaa ccttgtctgt actgaaaata caaaaaattg gctgggcgtg atggngcacg 240

 cctgtaatcc cagctacttg gaagggtgag gcaaaaagaat ctcttgaacc ngggagacgg 300
 atgctgcaan gancnganat cacaccactg cactgcaccn gngcgacc 348

<210> 6655

<211> 512

<212> DNA

<213> Homo sapiens

<400> 6655

cttttttttt ttttttaaga ggtatggtct tgctatgttg cccaagcttc cacctcagca 60
 tcccaaagtg ctaggattat aggtgtgagc caccacacct ggccagtggc aattttcaaa 120
 aatgttttca agcaagaaaa gcctctttaa taaagaaaat aatgngttta cacttacctg 180
 taaccattct atctattctg tctccacttc ttttaactata aaaataaatg tcatcataag 240
 ctactcttga cccaaggcac tcatggcttt caatgctaata ggttctgact attctcaggt 300
 gaccagaaaa tacataacac gtgtcatttc taattctgtg ttagcagtga ctgaatcgcc 360
 attaccaggc agtggacaaa gtgttaacca cacactcccc atttcccatt tgattatcct 420
 tcggtcctca caagttgaca gtgggatcaa ttactcccct ttatggatag agnaaggtaa 480
 cccgnggaag tnttacnttt nccagnggga nt 512

<210> 6656

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6656

ctggtgataa caacgatgag gtttattttt gtcaaaacat ccaagggaata cattaattgt 60

tgtttgtcaa.ctgtgaactt cacactacat tgtctaagga tagaaaattg atgggtatca 120
 ctctgtcaga aaatcctcac caagaagcca attcaaggaa tatgaaattg acaagccttt 180
 caaacaaga tgtgttcgga cttcactgat gcgatggtag gtcttttggg ttacaataga 240
 tagggatgat ataaaacaca atcttttctt gtctattcca ttttagaaac tgggtgggtgt 300
 gctcacgttt gtctgggcat tgcagcactg cacacataca tgaattaagc aaagcatcgg 360
 aaagtattga cacatgagac taaaataaat aagagaaacg agctgctctt tatacctaga 420
 aatagctgga aattactgaa aaaaattaaa ggtgccaaag gtttcatttt aaccccatga 480
 attggggatg aaatcccatt tctcttacta tggcaggact gnatgccata 530

<210> 6657

<211> 521

<212> DNA

<213> Homo sapiens

<400> 6657

ctttattgag acttgctctg tcgccaggc tggagtgagt gacgtgatct tggctcagtg 60
 caaactccac ctcccagggt caagccagca tccaagcag ctgggattac aggcgccccgc 120
 caccatgtca gctaattttt gaatttttag tagacatggg gtttcaccac ttgaccagg 180
 ctggtctcaa aattcctgat ctcaagcaat ctgntcacct canctccaa actgctggga 240
 ttacagatgt gagacacat gccagcctc ctaacagtta ttctaaccg taaattccca 300
 caggtacctt caactcaaaa tatctcaaac tgagctcatc aacaccctct agccacagaa 360
 accggctttt tcaaccatgt attggctttg accagcatcg ccatccacce atttgtccaa 420
 accacatntg aagactatct ctctctntca ccaagactag gtaaattctta anctttttaa 480
 taattctcaa anttccttcc tttcnctttn aaggcnggac c 521

<210> 6658

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6658

ctgtctcagg	actttcaggg	aaaacaatgt	tgacttacca	atgggcattt	tcaaagactc	60
<hr/>						
taagttggta	tgtcagtcag	tgtacagaca	acgtgatccg	caaggcacgg	gcaccaccct	120
gccgtgaacc	acatctcagc	caatcttccg	caaagaaatg	tacccaaaaa	cttttctgta	180
aattcaggaa	ggatgatccac	accttcacac	ttttgttttg	aaacaatgat	ggatatttta	240
aagttcttca	aattaacaaa	agtgatata	gaaatataaa	catttctaaa	acagagcggg	300
ctgtgaggag	tgattttgcc	aaacttaagt	cagtagcact	cgacttatat	ctgcttttag	360
tctgcggtgg	caccacgctt	accaaggcac	agtatcccct	tgctatccct	ttccttctgn	420
gcattttttc	tttctgnatg	ccttaaccac	acttnttcac	ctggatacct	ggagcttatt	480
aagcnttaan	tccccctngg	tattactggg	gaatggaann	ttctggttt		529

<210> 6659

<211> 524

<212> DNA

<213> Homo sapiens

<400> 6659

attatagaga	gatgctgctg	ggatgtaatg	ggatacagtc	tatatgtaaa	tttttcagaa	60
atccaaaaag	ttctgaattt	ggaaaatcat	ctggccccag	cagttttgga	taagggattg	120
taaattcacg	tttctaaaag	taaagagctt	aaaggaaatc	agaaacttat	actgacaaac	180
caaaatgaga	taaagatgct	acataagatt	tcacttttac	ttcttatatt	ttaaaattat	240
agcaactttt	ctgactcagt	ttctgcatca	gcttaagtta	ggttcaactt	agaaaagcag	300
tatctacca	attcagctaa	taaatttcat	gttattttat	taagatgact	tatacacata	360
aacagttacc	tctcatgtaa	aacaggcacg	tatctgtaat	actttaaggg	gtgaccactg	420
atcactgggt	cacaagccct	gaaaatatgg	tttaaggccc	agancatgan	aaanggctta	480
aggagtnagt	gangatgggc	atccctactt	ctttingtca	ctcc		524

<210> 6660

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6660

```

gctttgtttt gtttttgaga cagggtctca ctgtcaccca ggctggagta caggggcctg   60
atcacagctc aatgcagcct tgacttccca agttcaagtg atcctccac ctcagcctct  120
caagtagctg ggactacagg cgtgtgccac acctggctac tttttaattt ttttttgaga  180
taaggtctat gttgcccagg ctggttgtga aattctggga tcaagcagtc ctcttgccct  240
ggcctgccaa agtgctggga ttacaggctc ttcccttact ttcttttttt tttttttttt  300
ttttgagacg gagtctcgct ctgtcgccca ggccggactg cggactgcag tggcgcaatc  360
tcggctcact gcaagctccg cttcccgggt tcacgccatt ctctgcctc acctnccgag  420
tagcagggat cacangtgtg ccgccactat gccagctaa ttttgattt ttgnacaaa  480
anggggttct ncatgtggcc aaactggnet taaacttctg ggatn                               525

```

<210> 6661

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6661

```

gagacggagt ctactctag tggcgcgatc tcggctcact gcaagctccg cctcccaggc   60
tcacgccact cttctgcctc agcctccaga gtagctggga ccacaggcac ctgccaccac  120
gcctggccaa tttttctgta ttittagtag aggcgggggtt tcaccgcgtt agccaggatg  180
gtcttgatct cctgacctcg tgatccgccc gcctcagcct cccaagtgct gggactacag  240
gcataagcca ctgcgcccag cctatttcaa tcatttcaaa tacagcaatt cccaggagga  300
gatcacactg ccctgactgc ctcagcagag tcaactgaac ataaccatca gctctctttg  360
gtggcttggt catcaggagg aacttgatcc atgacgttga tgganagggc cccgaggaag  420
ggtgactgtg ggcttcanaa gtcaagggtc cctgtgaaat gcccaacctt ctttgggtct  480

```


tntaccaagt tttctgggca tggttctggn ctttttctng gccatnggaa n 531

<210> 6662

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6662

ccttcttttc ctttggcttt gttaacccaa acaggcgggt agaggcagag gtggacgcag 60
 gggcctggct ctgcccttct ggtcctttgt ttgtctggct ggttgaactc agtatgtgaa 120
 aaggccccctt atcttttgtgt gtccgagaga tgctgttcct ttttggggac actgaaagtt 180
 ctgagtccaa tgaccctgat ttggctatgg aagggtgcaga tggcgagggg ggctcctcag 240
 gactggggaa gaacgatggg atcctcatca gcttgggtatg tggatgggaa acctgtacat 300
 attcaagaga agggttttca cttggaggct gtcagcgtct gtgatgccaa ctcaataaat 360
 cctggctgaa ttcaactggg tgtgctggct gggtacttac ccacctctgc gaactctaca 420
 gagctcacgt ctgtggactg catanagctt ggaaggtttc attagctggc cttccccaaa 480
 gtagnatcta taaacatggt aaaatatcgc cttnaagctg naatactt 528

<210> 6663

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6663

gagacagagt ctccctctgt catccaggct ggaatgcagn ggcatgatct tggctcactg 60
 caaccttcac ctcccagggt caangactc tcatgcctca gcctcctgag tagctgggat 120
 tacagtagga gccactgnng ctggctcctt tctttctgtt ttgcgtgcct tttatttctt 180
 tttcttggct aattactctg gctagaactt ctaatactgn tttgaataga gnggaaagn 240
 gtggatatcc ttgncttgggt tcttttcata gaggaaaagc tttcaacttt tcatcattga 300

gtatgatggc ttttattgna gtgaggnaca ttccttttat acttaatttg gtaaacgttt 360
 ttatcatgaa aaggtattga attttggtat gntttttctt catctattga gatgatcata 420
 taattattgg ctttcatata acagttattg atttgcataat attgaaccct ttttgcattcc 480
 cagagatnaa cccncttaaa aaaaggggaa ngaacccttg ggatgccn 528

<210> 6664

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6664

gagacagagt ttcactcttg ttgctcaggc tggaacgcaa tggcacaatt tcaactcact 60
 gcaacctctg cctcccaggt tcaagcaatt ctcttgcctc aacctcccga gtagctggaa 120
 ttacagggtgt gtgccatcat gcccggcttt tttttttttt tttttaatgt attagtagag 180
 acgggggttt caccatgttg gtcaggctgg tcttgaactc ttgacctcag gtaatcctcc 240
 cgcctcggcc tcccaaagtg ctgggattac aggcatgagc caccacaccc accccacaat 300
 attttcttgt ctttttagta ggtgtagaat ctacagtaat gtcacctttc tcattttgat 360
 tgtggcaatt tacatcttca ctctcttgnt ttcttattcag tctggctaga gattgatcaa 420
 tttcattaat cttctcaaag acccagtttt ttgnttcatt gatcttatct attttcctgg 480
 ttgctggttt actgattttt tctctganat ttagatttcc ttttctggt aantttaaat 540
 tggncn 547

<210> 6665

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6665

ggagacagag tcttgctctg tttcccaggc aggagtgcag tggcacaatc tgcctgcaac 60

ctctgcctcc gggttcaagt gattctcctg actcaacctc ctgagtagct gggattacag 120
 gcatgcacca ccattgccctg ctaatctctg tatttttagt agagatgggg tttcaccatg 180
 ttggccaggc tggctctcgaa ctcttggaact caagtaatcc acttgcctca gcctcccata 240
 gtgctgggat tacagtaatg agccactgcg cctggcctac atcttcttat aatgactaag 300
 tttggaagta agagaaaaaa ttgaaagcca ttctgtctaa taggtactgg aaaatggaaa 360
 aagaaaaaaa gaaaaaaa cttagataga tagattccag ggacacaaaa ccagtgttag 420
 cataaataat gacagcccag atttatttgn acttaaaaag gnatacaggt aaatatcatg 480
 gggnttttgg cattgggtct ggttggnga tggatatggt aatcatttgg gnatgctgaa 540
 ccanccttg 549

<210> 6666

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6666

gtaagctctt atttaaaatt acatttaatt atgagattga ttgattatta tctgcatccc 60
 ccagagggct gcaagcttca tgaaacccca tgaccatgct gtttttatta aaattccaag 120
 agaccaggaa agaataataa tctgctggtg aagtcgcaga atggatttga ggtaagaaat 180
 gtaagatgag aagaccaaatt caagaaacag gagatttcac cattagcata tcaaggtaca 240
 cgttacaaat aacatttttg aatccctatg acactaaatc atcagatagg caaggttgat 300
 ttttgcccct tctatttgca aggtggaaaa atatagttca ctctatagat ttcttctttt 360
 ttgttgtttc ctttgttttt gttttctagt ttaaaaagag ttatttccag ggtgatcggt 420
 gaagatggcc actcaggagc cgtagattca agttgctctg attatacact ccaactacca 480
 gccattacaa gtggcttttt ttangaaaaa aaccagangc agttcctaag tggttaccca 540
 gaattncctt 550

<210> 6667

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6667

```

ggagacagag tcttactctg tcaccaggc tgcagtgcgg tgatgtgac ttggctcact 60
gcaacctctg cctcctgggt tcacgcaatt cctgtgcctc agcctcccaa gtacctggga 120
ttacaggcat gcaccaccac gcctggctaa tttttgtatt tttagtacag acggggtttc 180
acaccatgtt ggccaggctg gtcttgaact cttgggctca agtgaccac ttgccttagc 240
ctctcaaagt gctgggatta ccagcatgag ccactgcacc tggccccata cttcataatt 300
taaactactg ttttcatctt tttcaagcat gcaaaattaa aaaaaaatg gaataacttt 360
caattataaa agctgtcaaa cagaaatcct ttaaaaggct aaagacctat gtaagtatta 420
aatagcaata tataaattat taatgattaa tatctcaaag aaaattttca gcaggacatt 480
actttcatta tactcttcag taatactgna gcacaacact tggnatgccg ggttccaang 540
gnaann 546

```

<210> 6668

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6668

```

ggtctttgat gatttgtata atttagattt tgaaatgggc tctctgatta ctcagccaac 60
aaatatttat aggttacctt ttatatggca aggcaccagg cacagtgcta agaggaacat 120
aagaaaaacg aacatggtct gtgccttagg gagcttatat agacaaaagc aaacaaataa 180
tcattaacct ttatttttgt aggtgacaaa tgagcaatgc ataatatgca aaatctgggt 240
taaggagag aatcaagata ttcagaaaaa aaatctcatt acctgtcct catgcctcaa 300
aaaaaatcca gaagattttg aaatgcagga gataaacatc acatattcct tactaatctt 360
tgtattccaa aaataatttc tgaaaatcac aggaaagaaa acttttgtgt atttattagc 420
agaggcaagc tatactatca attggcacct caagggcaca aaattgcctg gactacacct 480

```

tcaagtcaaa atttctacct cagaagcaat gatgttctga agatctctaa tttttaatgg 540
gga 543

<210> 6669

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6669

aagtacttaa gatttattga atgagaactg cattgtacaa tatggtgcca ctagacacgt 60
ctatttaatt taaattaaaa tataaaactc taaaactagc catgattcaa aggttcaata 120
gctatatgtg actagtggct accatataaa acatttccat cacaaagttc catttatcag 180
atcttatata gaaccttgaa taaaatttaa tagacaagtg attttgtatt taacatttca 240
cctttattga atgcctataa ggccatttga ataacggatc atgtacaaag caacaggaaa 300
aaaaaaactg caagcagtaa aggttgtgca ggtgatattc agtaacactg cagtgtagcc 360
agagcaagga cataaaactt ccttagcttt gtaagtctgt ggaaatcaaa acttctaaaa 420
gagaaaaccg aaatcagaat tactgacact ttaggccagg catggtgcct caagcctgta 480
atcccagcat ttagggaggc caaaggatga gccccacgcc caggccaagt gaccnttnac 540
naaa 544

<210> 6670

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6670

acgcccggct actttttttg tatttttagt agagacaggg tttctccatg ttggtcaggc 60
tggtctcgaa ctcccgacct caggatgatcc gcccgcttg gcctcccaac gtgctgggat 120
tataggcgcg agccaccgtg cctggcctgt tatctttgcc ctgggacaat ccctttatag 180

tagttgtcct tttagagaac tgaccagaac tccctccaac accttctctc tgtcccagcc	240
ctcagaatct aagactgggt gactaatggt gttaatttat atttcacttg ccaacagtcc	300
ctccccactt tgaggccagt tcttcactcc agtgtctcca ttctgactt tttttgcca	360
<hr/>	
gagttgtcac cctgcccttc accccctttg aactctctca cctccaatga caggaacgga	420
aaggttctca gctcgggaca caactttggg caggtcacag ggcancagaa caatggggca	480
aagaaagtgg agtgtggggc aacaaccang acangggctt gnaagccaaa aggtcgctgg	540
ncaca	545

<210> 6671

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6671

caaatataga gagatatagt attgaacaca actcttattt caaaaggtat aaccaagga	60
ttaaaaatat agtgatagtt tttaaaaacc aatttttgta attctagagt tataaaagat	120
gaacgcagtt gttcatctat taaaacatag tctagacgat gagaaataac atcaattcca	180
aaggaggctt gaaaggaaca cactgaaata ttgtggctat gataattgga ggtacgatgt	240
gttcattgtg tgtatcatgc atgtcagaga ctgttataag tgctttacat gtgtcaatca	300
cttggtccac ataagagtcc tgtgtggtag gtgcttttat aatctccatt atttgaagtg	360
agaaaaggta agaaacttgc tgaaggccac ttagctagtg agtggagag ctagaaaagg	420
aggtgagaga gtctgtgtca ggggcaagag ctctactgct canaggacng taaaccttta	480
agaccctcat atgggttgac tagtcaatta aaaatcaacc anggttccca anggaccccc	540
tgaacn	546

<210> 6672

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6672

gagatggcgt cttgctctgt tgcccaggct ggagtgcagt ggtgcaatct tggctcactg	60
caaceetntge ettecgggtt caagcaattc tctgcctca gcctcttgag tagctgggat	120
tacagacatg tgccaccaca cccagctaata ttttgtatatt ttagtanaga cagggtttca	180
ccatattggg caggctgggc ttgaactcct gacctcgtga tccgcctgcc tgggcctccc	240
aaagtgctgg gattacaggc atgagccacg tgcccagcaa aatatagggt actgtttttc	300
agaaaaatac atatttagaa attttttctt atgattctgg tcctatatg gtctactctt	360
aatattaaat agagaagcat caataaatga ccaatttggt aaactatgat actgngatca	420
ttgttagaac tagttttaca tatggggaga gagtntattc caaaatacct nccctacttt	480
tggctaattc cttaaaaagg nacangngct tttgctggn aatcccggg	529

<210> 6673

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6673

aatcaaaatg ggcatgaaat ttctcatggg aatgtaaaaa gaagaacaat gtatagattt	60
ctatatgagc taaatactgt ataaaacttc ctctattaat tcttgacac ttcctatgag	120
aaaaagctct ttggagatga gaaatctgag gctcgggaat taactctctt gtccaaggtc	180
aaatagagtg gtgaaaacta gaagcaaacc tgtctgattc atcctatggc tcatttattt	240
taatacataa aatacgaatt actgctttta taagaagtaa gatggcagta ccgttatcct	300
gaaacttcta aggccgggcg tgggtggctca tgcctgtaat cccagcactt tgggaggacg	360
agacaggcgg atcatgaggt caggagatcg agaccatcct ggctaacacg gtgaaaccct	420
gtctctacta aaaatcnaaa aaattagcca ggaagtgggt gtggccgcct gtagtcccag	480
ctactcggga ngctnaagca ggaaaatggc ntgaaccna gangcanaac	530

<210> 6674

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6674

```

gagacagagt ctgcctctgt cgcccagcaa ctccaatgc cactctcctc tccagaactg   60
caggcctctc ctctaactgt gtggcataag tcgcacagat tcaagctaac accagggtctg  120
gtgtgtgctg gaaatgctga ccctctccaa gggtcagctg tgcaacactg gtgaagaggt  180
agtggcagag accccatttc cacctaactg aaagtagagg agcccaccag tgcctctcgg  240
aatgataaaa cccttacttt cttctgtgag agcactgctg aggccattca aagatgcctt  300
tttttgtgaa accctttagg aaacagaaag gttgacttat ttgccatgta aacccaaaga  360
agttctctgc gtctggatga agccccacg gtacttggtg tcacaccttt tgngttgcaa  420
ccctggctct gtgaagaaac aagcccaccc ctggnatgac ggctctntgn tacanggcaa  480
acagaagggt tgggcaatcn ngtagaactt gcanccttag aacagggacc ttgaacctgg  540
a                                                                    541

```

<210> 6675

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6675

```

ggagacaggg tctcactttg tcaccaggc tggaatgcag tggcgcgac ttacttagct   60
cactgcagcc ctgacctcct ggactcaaac aattctcctg cctcagccct gcaagtagct  120
gggactgtgg gtgcatgcca ccatgcctgg ctaacttttg tagtttttgt aaagatgggg  180
ttttgccatg ttgcacatgc tggctttgaa ctctgagct caaacgatct gccacctcg  240
gcctcccaga atgttgggat tacagggtgta aaccaccacg cctggcccca ttagggattt  300
cttagcatcc acttgctcac tgagattaat cataagagat gataagcact ggaagaaaaa  360
aatttttact aggcttttga tatttttttc ctttttcagc tttatacaga ggattggatc  420

```


tttagttttc ctttaactga taataaaaca ttgaaangga aataagttac ctgagattca 480
cagagatacc cgggatnact tccttgntca attcagnctt tancacctta aaaaccttta 540
aagccctt 548

<210> 6676

<211> 523

<212> DNA

<213> Homo sapiens

<400> 6676

gagaccaggt atcacctgt catccaggct ggagaagctc aatcacggct cgctgcagcc 60
ttgacttccc tggctccagt gatcctccca cctcagactc ctgagtagct ggaaccacag 120
gcacatggca ccatgcccag ctaatgtttg tattttttgt agagacaagg tttggccatg 180
ttgcccagac tggctttgaa ctctgagct caaaatgata tgcccacctc agtctcccaa 240
agtgccggga ttacaggcag gggccgccgt gcctggcctc ttttggcttt ttaaagtgtg 300
ctctaactgt gtttccatcg gacagacctg ctctaggtca gccttgtcca acagaacttt 360
ctgtgatgct ggaagttttc tataatctgtg ctgtcccaca caattgctac taagttacat 420
gtggcccgtt gagcatttgn aatgnggctn atgcactgag gaagtggaat cntcatttta 480
attaacttaa atgaaatttc anttnaacag nccccctgggg cta 523

<210> 6677

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6677

aatcattta aatgtttat atcttagaag aggaagagag aagtggaaaa tcaattaagc 60
caagtagatt acatgaactg tacaactggt ggagaacggg tgtccagaga taagcagcca 120
gaagccagag tcattgcaaa ttcttcagaa agcagtgatc ttgagagggc taggaatcac 180

agtggacaga gcagccgtgc atccttccat gacaacagga aggttaaggt gggatcatgcg 240
 attctgtgct gcacactcag agatacctcc tctgcaagg ggtgggctgt gtcctctgtg 300
 aaacactggt gaggccttca gctaggggtga cttcaatccc cgatttctgt ttatcttggg 360
~~cttttegett etttetgetgc tgtttgtttt ctcgttgctc tgggatttct ttgctggatt 420~~
 ccagactttt gctgtcaggt attgcttctt tactttctcc tttattangn ttttttcttt 480
 tcctctcctt tctttttttc ctcggctctc cttttgacac ttttccctt ggctggc 537

<210> 6678

<211> 510

<212> DNA

<213> Homo sapiens

<400> 6678

gagatagaat cttgttctgt caccaggt ggagtgaat ggcgtgatct cggctcactg 60
 caacctccgc ctccaggtt caaaggattc tcttgctca gcctcccgag tagctgggat 120
 tacaggtaca catcaccacg ccgggctaatt tttgtattc ttagcagaaa cagggtttca 180
 ccatgttggc caggctggtc tcgaactccc aacctcaggt gaccacactg ccttgaagga 240
 ttacaggcgt gagctaccac gcccgggtgg aaccgttttt aaaaagcatt tctggccggg 300
 tgtggtggct tacgcctgta atctcagcag atttgtttct tatgagagaa tttactaca 360
 agtataaact aaggtcaaga tgactttaag gaatgtactt tttttgagat ggagtgnac 420
 tcttgggtgc caangncaat gcaatggatg gcnagatctc ggnttactgg aaccttcggc 480
 ttcccggttt aagcgaatct tctggctnan 510

<210> 6679

<211> 489

<212> DNA

<213> Homo sapiens

<400> 6679

ctgtgcatag ccattgtgtt ttattagatc tggatatatt cttactttac aaaatatata 60
 gaagagccca aaatgcaaag cagtcaacag tcttctgatg gggaaggggg ctctctgggg 120
 gctctccct cagattctgg ccaactggga gggtaagcta aatgggacga gcagggtgtgc 180
~~taaggggtgg cegeatgget ggggtgctga caatgggggtt ggaacctggg tcctatgggc 240~~
 cctgccctct aggtgtgcta aggggcatct ctgggtagat tgagtcaagc aagaagagac 300
 cctagggaaac tgaggagggtt atctgggggtg gggtagggag agcccagggtt gattgaagat 360
 tctagtgaat gccccacac tgggttcana tgctatgcct gcctncctnc ttcctctcc 420
 cttctaaggc atnactgtg gggaagtgat angncccaa gttcaaggaa aggncccaag 480
 tcttttgan 489

<210> 6680

<211> 501

<212> DNA

<213> Homo sapiens

<400> 6680

atgcttcttg aattttatta tttaaagagc aaaataaaag gaagtaatgc acattcacca 60
 aagtcaagtt ttccgttaaa tagaagaaaa atctaatact ttgtaataaa gaccatccag 120
 ctaaaaacag atcattaaaa caacaatagc gatttgactc tgtattttat ttcaatgagc 180
 acacttcatt cattgtctgc aggaagacta ggctaggtct caatagacaa cagtcacagt 240
 tactgagcaa gtaaatactc cacacttgcg tgccctcctt tatttcttga tgtcttcagt 300
 ctcatctggc tctctctctt gatgctctct tcccacctc atttctttca actcttgtct 360
 gtacttccgt tcgatgaacc gcttctgatg ggccatctgg ggaaaattat atttttcaaa 420
 gcgcattccat tgctgtncc atttncgctt gctgnaaact tgggcnttcc cacaggctat 480
 tctttctncc ttggaatnaa c 501

<210> 6681

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6681

ggettteegt tegettggta gatcttcctt catccctttg agtctatgtg tgtctctgta 60
 cgtgagatgg gtctcctgaa tacagcacac tgatggggtt tgactctatc caagttgcc 120
 gtctgtgtct ttttaactggg gcatttagcc catttacatt taaggttaat attgttatgt 180
 gtgaatttga tcctgtcatt atgatgttag ctggttatit tgcccgttag ttgatgcagt 240
 ttcttcctag catcaatggg ctttacaatt tgcatgtttt tgcagtggct ggtaccagtt 300
 gttcctttcc atgtttaagt gcttccttca ggagctcttg taaggcagtc ctggtgggtga 360
 caaaatctct cagcatttgc ttggctgtaa aggatttatt tctccttcac ttatgaactt 420
 aatttggtt ggatatgaaa atctgggttg gaaaaacctt tcntttaaga atggtgnaaa 480
 attggcccca ntttntttt ggcttanaaa agtttctgct taaaaaaact gctggttaanc 540
 cgaactgg 548

<210> 6682

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6682

atTTTTTTTT ttcaagcatg gaagaaaatt tattcaggaa ctacagacag agtaaataat 60
 actgtgcaca gacgagttaa caaattaatt ttctaatat ccttcaaaca atatctgtga 120
 agattattta gggagaagtg aaaatagaca aaaccaatt atccaacatc acatcaagtt 180
 gcttaacttg caaagttttc aaagaaatat ttacacagaa ttagagaatg ttatcaata 240
 tataatgaaa aatatctcag tagcccgatc cttttccat caggtgagcc ttcgacaaga 300
 tttaaacatc tttttatcat tcttctgaaa gcaatctata ccgattatct ggtatagatt 360
 ttctgcaaag gaaaactggg ctctcagaga cttgagtcct ttttaaggctt taaaaagggc 420
 tttcagcaag tttttcctt ttgnaaaata gtagggattc anggnaaatt acttngnacc 480
 cttaatcata ctggcagctt ggcatgcctt anggctcaag tngaaaacnt tggcatggcc 540

c

541

<210> 6683

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6683

gagatcttca agacaaatth atttctatth ttctctctgg cctttgctaa aatgatgtth 60
 ctcttggtgc ttgagaaatt tcagagagtt gtttagtatt attgctgcaa atttagatca 120
 ctcatatcat ttatgagact tggttttata cactttttaa ataattgtcc aacagtgcaca 180
 ttctgtgag taaaaatata gagaagtgtt accaaaatat aagcctttat taataaaaat 240
 ctttggtagt aacagtatth taaattcctc tcaacgatatt ttggttaact aataaactcc 300
 ctccacctth gagctacaga aaaaaaatcc tcaatctacc atataattga tatttgaaaa 360
 aaaaacccat aatatattcta aagcttccag gggacccctg gaagccctaa gacttcttgg 420
 aaacctgac accatctgtg gaaatgtctc cgaggctcatt tctcttctgg ccatttctgg 480
 gcaaccggtt tggncaccata agggaagatg aaccacttnt gaggtccggc ttgngtgaa 540
 gggggg 546

<210> 6684

<211> 507

<212> DNA

<213> Homo sapiens

<400> 6684

aacagtacca gtaaattctt taatgttgct agagtaaatt tctttatgcc gctcacagaa 60
 gttcattcaa tcgtacctth ctctccatat gctcttacgg gcttggttaa cagagagcca 120
 atataaaact catcagagag ctgccattth aagtggaaat ggtagcaacg gattatttht 180
 aaatggccac ctctttaaat ttatgcctaa ggttgtaatt ttttgaattt ttgtaatcag 240

accttgatga tgaccgtgag cagtaagata taaataactc ccacatgctt agcgttccaa 300
 taatggaaca ctacacatac atggctaggg ttcaaagaaa cttgctctgt tacagggatt 360
 acctagaaag actcttctgc agttcaatit gtaaaattta gcagcaatag aatagactca 420
~~taccatcaca ctagaggaag gneagcttag aactaagtcc atgancatca gangagaaat 480~~
 ggttacnggn cnttaaagag naagttc 507

<210> 6685

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6685

gacattaaat gtttttattg aacaaaaaaa gataaaacat ggaagttgaa ttactgagc 60
 aaaagcagct ctccaggtga agctgctata ctttgtgcta aataacctta tgaactgagt 120
 atacagaata catataatat gcaagttacc tcaacagcaa aggagaagga gtagaataca 180
 gtttttgaag ataaaatctg gtcaagtgac aaattttgtt gctcaaaatt tctagccctt 240
 atccacctaa attctgtatg gtctacata tatgcattca gtatgtgcat actgaattcc 300
 cattttaatg gaagctgctt tttggaagaa ttctttttta tttcacattt ctttgatgtg 360
 ccactcaatt tttaaaaaaa ttatatttga catatgtgca tgtggggatg gggtatggat 420
 gtatacacac tttaaaaaca ccaaaccctt ggttataagt anaagggtca tgctggnttt 480
 taaattaata ttaggggaat ttaagctctt ctctggggg gctaaggnaa ccttgggtct 540
 caa 543

<210> 6686

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6686

actggaagca aaacattcac aggccattga actactgttg gggaaaaaaa cgacacaagc 60
aagtcagtta gaacgtgttg atctggttga taatgattat agattcaact atgtctaacc 120
ctgtgtcctc ccgggagaga gtaaacagct tcccaccgtg ggagcgttg gcacgtcagt 180
~~tcacaegetg geaggtecat taccaggagc tccaggcaca gagagtcctg ggctggccca 240~~
gctgctgcgc tctgctttct ccaagcacca aggtgcagtt atgctaccga tgacccttga 300
aagtatgagc aattcaccaa acaactaaat cacaatgact cttctgtctc tagtagctgc 360
cccgcctttc ctcactggta ttcatittcaa gtcttaatga agtctagcca tcaattaaaa 420
atagagtaac cttgcccttt cagcatgaaa ctgngngggt cctctgtgtg gagtctntata 480
aggncttaaa cttggctttt aggatctggn aagtgggaac tctaaaggct gagttttaa 539

<210> 6687

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6687

gagacagggt ctcactctgt tgcccaggct ggagtgcagt ggtacgatct cagctcgtg 60
caaccctgc ctcgccgggt caagcgattc tcccacctca gcctcctgag tagctgggat 120
tacaggcatg tgccaccacg cctggctaata ttttgtattt ttagtagaga tgggggtttc 180
accatgttgg ctaggctggt ctcgaactcc tgacctcagg tcatccacc gcctcagcct 240
ccctaagtgc tgtgattaca agcgtgttcc tggctctttt gtatctgca tataactggg 300
aactctgcct tagtctgag caaggctttc tatcaggctc ccaggccact cagttacggt 360
gttggagatt ttacctcaa attatgtca atgcaacact tncatccat gcttctcatt 420
ttccagtgc ctttgcgtnt cttcgcccc ttaacttttt acgaagaaaa ctttaataatt 480
tccttcattt aanaaggcct gggggatctt aaaantttcc cagaagcccc ttggnattc 539

<210> 6688

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6688

agttaaaata ctttttatga agtcaactgc ttacatttac aagttgatca tgaaaacatc	60
agtaagacac aaaaacattt ccgatgctct cggcatgaag aattggtatc tggagagtag	120
caagttataa tagtaagggt tctgcaaaag attaaatagt ataaagaata ttagtatgcc	180
ttcaactggc agaaatagga ctgggcacat ggaaaaaggc cagaaataag agaagatgca	240
gatttgcctc aaggctgcta cccagcactc ccatgctcac cccattccta agctcttccc	300
caagcatact cttcatatgc attggtgagg ggccagggtc ctggagggtc cagagacaca	360
aagttaaggc tagggaaaag ttcagcccca cactcccatc cactttgtag ggctttctcc	420
cttcagtctg ggggtcccca caaatgcccc agatggtggn aacagtcaca tggatttcta	480
agagaccnca tgacatgctt ggaagttgca aancactggn ctttaagttgc attatttggc	540
cc	542

<210> 6689

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6689

gcataaagct gttcattgtt ccagtacatc ttattgaaaa aactaccctt ttcctgtgga	60
atttcttttt agcttctgcc aacagtcagt tgataatatt tgtgtgggtc tatttctgag	120
ctctctattc tgtctcactg aattatatgt ttatccttig gccaggacct cactgggttg	180
acttatgtag ccttatatta aaattgggta gtgtgaattc tcaactttgt tcctcttttt	240
ccatttcaaa ttttgggggc tcttctagtt cacttgcctt tccacataag ttttagaatt	300
agcttgtcaa tatctacaaa aaatatgctg ggattttgat catgattaca ctgaatatat	360
atgtcacact ggggcaaact gacatcttaa caatattgag ctcaattgca ctaatactta	420
atgacctaca gattaaataa aagtaagata cttcagggtt ccagacttgc aaagatcnca	480
aagaanggtt aaaaatggca ngntccccgn aacctgaact ggatgggt	528

<210> 6690

<211> 447

<212> DNA

<213> Homo sapiens

<400> 6690

```

cccgacccat tcccacgggg gtcttcctt gggaacacca ctggcagatt tttatttctg   60
gttgataag cagacacctt aagtttaaaa caaagaggtc acctnttccc ccacgaaatg  120
cgatgtggtg gatatggcca cctcactgcc ctgagaccca acttgatctc ccaactccag  180
gtgcatgacc caggctntga ccaacagagc tgggtggagg ccgttcctgc agcactgggg  240
gtggccctga cctaaccacc actcctaate cttgaatgag gttcgggtatt acaaaggctc  300
ttgtttctac ggcccagcgc anaggctgca ggagggtctt tgcctctgng caatgctcac  360
agntgcctng cccaagacag agacnagaag ggaagccaga ccggcagcca gcatgggggt  420
gcaaaaccng gaaggaaang nccaaca                                     447
    
```

<210> 6691

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6691

```

gctttttgtt ttttgtttgt tttgagatgg agtctcactc tgtcaccag gctggagtga   60
agtggtgcaa tctcggccca ctgcaacctc cgcctcctgg gttcaagcaa ttctcatgcc  120
tcagcctccc aagtagctgt gattacaggc gtgtgccacc acgcctagct aattttttgt  180
atttttacta gagacagggt ttcacatgt tggccaggct ggtcttgaac tcttaacctc  240
aggtgatctg cctgcttcag cctcccaaag tgctgagatt acagggtgtga gccactacac  300
ctggccagct atgccccact ttgaacaaac attgctagaa tctggaagaa tcttctgtta  360
gccaaggatt gcttttgagg gtcactccaa aaactgagct accacccggg gacaaatggt  420
    
```

ctcataaatt tgagtngta aaagtgaac cgattncagc tcatgagccc taatataant 480
 ttgggaacca ttttcccccc acangcattg nctaaaaaac tacngggact ttttttcct 540
 ana 543

<210> 6692

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6692

cgtttgagac agggctcac tatgtgtc aggctggct tgaactcctg ggctcaagcg 60
 atcctcctgc ctccagctcc caaactgctg gaattagcac ctttgggtgc tcatgcctcc 120
 caaaggcatg agccaccatg cctggctgat cgccttcttt ttagtgtct ctgtaccatt 180
 tcactagata gaaataactg atttatatac ccaattcgct tttttatatt ttttattttt 240
 tagacagaat cttgctctgt tccccaggct ggagtgcagt ggcacgatct tgactcacta 300
 caacctccac ctccaggatt caagtgattc ttgtgcctca gcctcccaag tagctaagat 360
 tacaagcgtg tgccaccatg cctagctaatt ttttgnattt ttagtagaga ggggatttta 420
 gcatgttggt caggctcaaa ctctgacct ctagtgatct gcccgncctng ggctttcaan 480
 tggngggatc caaggnntga gcccntgggc ctgg 514

<210> 6693

<211> 524

<212> DNA

<213> Homo sapiens

<400> 6693

gagatggagt ttgctcttg tttcccaggc tggagtgcaa tggcgcgac tcagctcact 60
 gcaacctctg caaccggggt tcaagtgatt ctctgcctc ggcctcccga gtagctggga 120
 ttataggcat gtgccaccac gcctggctaa ttttgtattt ttagtagaga cggagtttct 180

ccatgttggc caggctagtc tcaaactcct caactgaggt gatccgcctg cctcggcctc 240
 ccaacgtgct gggattacag gcatgagcca ctgcacccag cctatttatt cttattatat 300
 attggttatt tgttttagctc ccgggttaaa taaagtatag gacttcattc tgctctttac 360

 tgcagacttt accagacatt gaggtccat ctggctctaa ctggccacca tctagcaatc 420
 ttcatcattg cctggncctt gtngaancct gaaaatttac ctaccattaa tgnccctgagc 480
 taactttgaa cagggctctgg ggaccatttt ggctcatgta agcn 524

<210> 6694

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6694

gagacggagt caagctctgt tgcccaggct ggagtgcagt ggtgcgatct tggtcactc 60
 aagccccacc tccgggggttc acgtattct gcctcagcct cccgagtagc tgggaccaca 120
 ggcgcccgcc accacgaccg gctaattttt tgtatttttt agtagagatg gggtttcacc 180
 gtgttagaca ggatggtctc gatctcctga cctcgtgacg cgcccgccctg ggcctcccaa 240
 agtgctggga ttacaggcgt gagccaccgc acccagcctc tcacctcttc ttaaagtgga 300
 catcatggtg gcggctggga gcaacagggc atgtcaagga cttggcacct agcgtgaggt 360
 ctcatcattg tgagctccca cccctgggtc ggtggcaagt cctcccagca gcgtgtgggt 420
 caacttcaag ggtcccatg cttgggatgg cttggacacc aatggccaag cagggatgta 480
 tccttgnaaa gcctttttgca ctcntaggaa acaggaacca aaanggtgat ccctgaattg 540
 gatgaanctc ctctaaatt 559

<210> 6695

<211> 517

<212> DNA

<213> Homo sapiens

<400> 6695

```
gagatagggt cttcctctat tgcccaggca ggagtgcagt ggtgtgatca cggctcactg 60
cagcctcgac ttcctgggct caagtgatcc ttccacatta gttgggacta caggcatgca 120
ccaccatgcc tggctgattt ttaaattttc tgtagagaca ggggtctcaa tattgctctg 180
gctagtctta aactcctggg ctaaagcaat cctcccacct cagcctctca aagtgttgg 240
gactacaggc atgagccacc gtgcccagca aaagatgtaa ttttaagaat agattgcaga 300
cccctattca taagaaagta aagagtactc ctgaataatt aaaagctgta ttagaattag 360
ccataaaaac acatccacag gagtactgat aatgtataca tttaaaaggc aggattctgc 420
ccacatgaaa gtttacctgc tacaatgcca tgaggcacia ctttntttag ngctcaagcn 480
cttanggagg cntaataata tgnactcctt antctca 517
```

<210> 6696

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6696

```
actattctaa aaatttaaga tcatgctatt acctttaaga aaaataatag ctttacgatg 60
gtttttaatt ctccatatga aagttaaaga cttccttttt ggagtccaat ggctgttaac 120
ataaatctaa atcctgagta acctacgaga tgcagatcac ctggccaatc aagaggctcc 180
agggacatgt ttacgacatg gaaaaaccat ggggtgtttt tgcccaaaaa gagtatgttc 240
cctgatggaa aaggcaggct tgagttcatt atcttgagaa caaagatcaa gacaactgca 300
gtagctgctt acctgtgtgg ccctgtattc tctcactgat ttttgcctta aggaggtccc 360
aaacgagcag ttcaccagac tgactgccag ataaaacgga atttccatcc cagacaaagc 420
acctgcaaga atgatttaag aaatagtcct ttcttcatca tgaaggaagg atatgttgaa 480
ctggnccatg taagncccaa tgaagtggat cattgacatg tctgnaaatg ggnttcgncc 540
ccagtactta cnaactnttc ctttgg 566
```

<210> 6697

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6697

```

agagtacgtt ctgcatttta tttttgcagg caacactttg ctcaccagca agaacacagc   60
ccaaggaagg gaccaataa cttttcaaaa cccaaactgc ttcctgcggt gagggcccag  120
ggtcctccac ggagaggaca ggcattcttc tttcccacca ggaaggagtc agcccggagc  180
ctctgctatg tgcaaggcgg tgtgcaagca ccggtgcgg ctctttgctg tctcttcttt  240
ctctttgggg ctgggctggg tgtgcgttct ggtgctgatg ctttggcctg tgaggctgag  300
ctagagaagt gtagatgta gatgtgccgg tgccatcctg cgcctccaa gcacgcccc  360
actcactcac cttggcacct cgaccggtc aattacagca acgaaagaag ccactgctga  420
atgtggctta agggaagncc cgaagcantg cttcggaacc cggaacgtgc ttaaggcctc  480
ggtaggggna ggcaagcaag gccgggaact aacctgaaag gcccccggg ttcttnttga  540
acgcatnttg naacaacgtt ttnnttttct                               570
    
```

<210> 6698

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6698

```

gagacagttt tactcgctac ccaggctgga gcgcaatggc gtgatctcag ctcactgcaa   60
catccgcctc ttggtttcat caagcgattc tctgcctca gcctcctgag tagctgggat  120
taagacagga ggatcgcttg aacctcgag gcggagggtg cagtgagccg agatcgtgcc  180
actacactcc aacctgggca acagagcgag actctgtttc aaaaaaaaaa gaaattaggc  240
caattaataa tcccacaatg gcctctaagt gctcaagtga aaggaggagt cacatgtccc  300
tcgctttcaa tcaaaagcta aaaatgatta agcctagtga agaaagcatg tcaaaagcca  360
agaggggctg aaagctgggc cttttgggcc aaacagcccc attgttaaag cgaaggaaaa  420
    
```

gttcttgaaa gaaattaaaa gngctactcc agngaacacg agtgataaag tgaaacanc 480
tgnancnta aaaaagagng gggtcacg 508

<210> 6699

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6699

gcaaattgaa ggtttgtggt aaccctgcat ccagcaagtc tatcggcaca atttttccaa 60
tagtatgtac acatttcatt tatctgtgtc acatattgat aatgctcaaa atacttcaag 120
ctttttcact attattatat ttgttatagt gacttgtgac cgggatcttt gatgttacta 180
ttataattat attggggccc atatcagatg gcaaactgca tccataaatg ttgtgaactg 240
ttccaccaac cagccattct tccatctctc tcggggactc cctattccct gagacataat 300
actactgaaa ttaggccaat taataactct acaatgggct ttaagtgttc aagtttgaaa 360
gaaagagttg catgtctctt acattaaatc aaaagccaga aatgattaag cctagttagg 420
aaggcatgta gaaagccaaa atgggcaaaa aactgggcct cttgcaccaa acagccaagt 480
tgtaaatgcn aaagaaaagt tttcaaagaa aattttaaag ggccccngg aaacacgaan 540
nggga 545

<210> 6700

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6700

gagatggagt ctactctgt taccagact ggagtgcagt ggcatgatct tggctcactg 60
caacctccac ctcccgggtc caagtgattc tcctgcctca gcctcccag tagctgggac 120
tacaggcatg caccacatg ccagctaata tttatatata ttttagtag agataaggtt 180

tcaccatggt ggccaggctg gtcttgaact cctgacctca ggtgatccac ccgccttggc 240
 ttcccaaagt gctggaatta ctgtgcctgg cctagtcatt aatattttga ttaacgccta 300
 cccctgtgat caacgacaac ttattcagga agaagggttc tttctactct agtatgcttc 360
 cagttattta ctgtgtatct agctagggtg tgaaaagaaa agaatatgaa gcacgaagtt 420
 catgaaacct aactggtcta tcatctactt taccaaattt cttctaaaaa agcaaccatc 480
 aaaccagag aagaatttga agcttctaac tttaatggcc ttacaatan gtggatttct 540
 aatcatatga aagaa 555

<210> 6701

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6701

ccgcataaat attgctttta ttacaagaaa gaagagacca cctctgaagt aaggcacaac 60
 acaattccat tgtcactgtg gcagaagtcc ctgttgctca tccctttgat ctgagccaag 120
 actgtggtcc acgggcctaa ggcacttgag cttttccctc aactgaagt tagggggtgc 180
 ctgagagctg agcctcgtgg gagtgtccat ggtctctgga cctgcatcga agttcatgtg 240
 tttccactgg tgctgaagat gaacatcaag aattactaga catgtaaaag tgtctttaag 300
 tgtctttcct cctgagtcca cctttggcaa tggccccaa agcctggccc cttagagatg 360
 cagctccaga tcctggccac cctcagggtt caaagagact ggcccagggg tacacaattg 420
 ctggaatatt ctctgcgagt catgcacacg tgcgggggtn aagtgcantt atatgngac 480
 acacacagng gtactgngag cttntaaggg tgcacanaag ggcag 525

<210> 6702

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6702

gccgactaaa gaaaaccatg atgtatattt gtgagagtct taaaaaaaat ttaagtggaa	60
gaaaattttt gaccaggatt ctaagtgaat ttactctgtg catgtgtgtg tgtgtgtgtg	120
tacaggtaaa gatcaaggta gttataagtt attaaaaaat aattatggag actttttggc	180
agcagaaact acaattaaat cattcatatt ctttttaaaa ctagttttaa atctatattc	240
atctaccatg aagggtgtata cccttgtaaa ttgggccata tttcatttga tctacagaaa	300
gaggcataat attttggact tctatgaaat ttgtgtcaaa ttgacaacc ttattaaaag	360
ctattttgaa ctttattaaa aagtaaagaa tctagctggg cacggtggct cacacctgta	420
atcccagcac ttgtggganc caaggcgggt ggatcacttg agggcaggag ttcgagacca	480
gnctggccna cccggggaaa ncctggcttt actaaaatcc caaaatagct tccttaagan	540
gcttaggccc gaaaaatn	558

<210> 6703

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6703

gagacatagt ctcactctgn caccaggct ggagtgaat ggtgcatctc agctcactgc	60
aacctccgcc tctcgggcta aaacaattct actgcctcag cctnccgagt agccgggaat	120
acaggcacgt gccaccacac ctggctaatt ttgnatttt tagcagagat ggggtttcac	180
cacattggcc agtcttgggt caaactcctg acctcgtgat ccactcacct cgacctncca	240
aagtgtgaa attacaggcg tgagatgcag cgcccagcca ttagttctat ctttagtttt	300
tttganaaat cgccatactg gtttccatag aggnitgtact catttacatt cccaccaaca	360
gcgttccttt ttctctgcat cctcgacatc ttattgcttt ttgaccttt aaaaatagct	420
attctgactg gtgtgaaaat gtagttttaa ttgncattt ctctggagaa tagtggatgn	480
nccaacattt ttttcacgtt tnggccntt gtatgtccct tgganaaaan	530

<210> 6704

分冊

Separate Volume

出願番号 平成11年特許願第248036号

[ST.10/C] : [JP2000-183767]

分冊番号

4 / 4

出証番号 出証特 2002-3046774

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6704

aagacagtct tgctctgtcg cccaggctgg agtgcagtgg cacgatcttg gctcaccaca 60
 acctccacct cccaggctca agcgattctc ctgcctcagc ctccctagca gctgggacta 120
 caggtacctg ccaccaagcc tggctaattt ttgtatTTTT agtagagacg gagtttcacc 180
 aggttgacca ggctgggtctc gaactcctga cctcatgtga tccatccacc tcagcctccc 240
 aaagtgctgg gattacaggc atgagccacc gcacccggcc ttcctttcct ttttctttgc 300
 acattcatct cctttttttt aggggttaaa agaaacttcc ccctggcctc atctcccact 360
 ccctcttgct gcgaggcacc cgaaccatga gcgctccctc cctcgaggca tcaagcacat 420
 gctggtcctt ctacatgcaa cactcintca aggccattcg nttgcctaac ctattinctac 480
 ccacanttca gggatcggat ggcancccag gaagncgtggc ctggaccttn gaaa 534

<210> 6705

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6705

gatacagaga ctactctgt caccaggct ggagtgaat ggtgtgatct ctgctcactg 60
 caacctccgc cggggtcaa gtgattctcc tgcctcagcc tctgagtag ctgggattac 120
 aggcacacac cgccacgcc agctaatttt ttttgcatTT ttagtacagt cggggtttca 180
 ccgtgttggc caggctggtc ttgaactcct gacctcaggt gatccacctg cctcagcctc 240
 ccaaagtgct gggattacag gcgttagcca ccgcaccag caaaattttt caaatatact 300
 ttattgaggt tgaatttaca tacaataaat gcattcattt tatgtatata aattgatgag 360
 tttgacaaat gaacataccc ccttcaccac cagccaatc aaagtaaaga atattttcat 420
 cacctggaaa tctccccctt ccagcccaag caacatggat gtactctttt acaggtctgg 480

ctgggtctaag aaattcatat naatgggggt gggaacccat ggnacaatat tctttgggga 540
accgntttt gggtttnttt acnn 564

<210> 6706

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6706

agctcatctg caagcaattt ttagaagttt gggtttctta ctgaaatttc catgaagtga 60
tttttttttc tgtgcttaac ttcagttact taaagacctt aaagacaaag tggatcacca 120
tcacatattt tgtatgtgtg ggcttttttg aggggttagt acttgaaaga tatgaattga 180
tatttttttc acattctaaa ttatgttaaa accccttcaa atctcactgt ttgctcatgc 240
atcacctatt agagcaaggt gccctctaaa ggtgtgattt tggcatctca taggcttcct 300
tgaaagccaa gcaccagagg tctgcaataa aggcagttgc cagctaaatg aataaaagcg 360
agatttcctc aattcaacta taaaagctta gaggctgact gctgaattac caccaacttg 420
taaataaata atcactacta aatacngata atggggtnaa cagcttacac tngtaaata 480
ctgggacaga naacctaaag gnaatccctn acccattggn ccaaccatt 530

<210> 6707

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6707

agacagggtc ttgctctgtc ttcaggctgg agtgcagttg tgtgatgac ttggctcact 60
gcaaaactcca cctcccaggt tcaagtgatt ctctgcctc agcctcctga gtagctggga 120
ctacaggcat gtgccaccac gccagctaa tttctctatt tttagcagag acgggtttta 180
ccatgttggc catgatggtc tcgatccacc tgtcccgcc tcccaaagt ctgggattac 240

aggcgtgagc caccgcacct ggccaagtcc tttgtaaaat ttaaattaag ccactagaat 300
 catatgcagg aaaggagaag atttttattg gaatatctag acttagaggc taagaaaaaa 360
 ttccaaaaac aattaacaaa attttagttt ataaaaactt agcatattga agtntaaccc 420

 ccaagaagtg gaccctacgc aactgnggac ttttgggtgg tgatgatgtg gtcaatggaa 480
 ggtcatcggg ttggtacaaa cgtccctca aatgtgggat gttaaaangg aggagctggc 540
 cttttttggg aanggcacc 559

<210> 6708

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6708

aagtatttca aacagaaccc aggttaaate acccttgcac gcattgaate ggcctgagct 60
 tccctgggtgc agtttgtttc ctcttctcat cctctagagg acagaacaag gcagggtagg 120
 tccatcagta tcacgacctg ctacagcttg gcatagcctc tctactcacc ttaaccctt 180
 ccaatcacga gctcccatc cctgtcgcca ctcccaaata gtcaattacc aagtcttctc 240
 agttccacat tctaagtatt ctacagccac cactctgggc ttggcctgga ttatttctca 300
 cctggatttt tataacagcc tcctaataga tgtccctgtc tacaatactg gccccctcga 360
 atctgccttc cattgnetac attcaagatc aaacttctta catctttcca cttcagactt 420
 atcattggag tctgaagtcc ttacagccca aggaccact tacagnttnt gggccatact 480
 ttggactncc cctttggcta ncacatctc ctttaaaaca ncttaccag ttggctaggt 540
 catatna 547

<210> 6709

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6709

aatgtgcata gagtttattt ggtacatcta tcaatttcta caataactga ccaaaaacag	60
ttcacacagt gtccacctgc actccatgtc taaaatgatt tatttagtag ggtattttgc	120
aaggctagaa aggagagaaa ggatttcaca gtatcagtga aaactgtttt atcatgaaac	180
aaatgtaata cattaatata ttcattcatt ctctattaga aaacagcaaa attacattgt	240
tagttgtatt atttacagtg aaaacttgga agacttgaca aagcatcagt tagtttatca	300
acagacctag gaagctccct gtccctcct ttcagggtcc tttccttgga aatgaaataa	360
acttaaatca gattttacat aactttaagc accagcttga caatttaaag ntttatttca	420
gttttataaa atactcctgc tttgnaaggc aaagtgaatg tnaaaatgng aatgnaattt	480
aaccaggcct gggctggnaa ccttttattg naataagcct taagggttac tcnatattcc	540
c	541

<210> 6710

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6710

gctgcttaaa aaatgcatta atgttactgc tttattcaca ctaattagaa tacatacaca	60
aaaaatgtgt atcatatata actttcaaaa atttccatgt tccatgagaa ctatgtaaac	120
aatgcaaaat gtttccacta cgtaacaaaa gaaaatcagc attcccacat agtattagga	180
aaatatttgg ataatctgaa tttatagtaa aacaaagtga tctgaatttg tagtaaaaca	240
aagtgaata ttacaaagca gtcttgtcat gaagtagcct tatataactc agaagcaaca	300
catttcatac tttcaaacac tttggtataa gtgaaattaa tagaaaaca aaagaagaag	360
aaaaaaacct ctactttggt tttcacatta ttggaacttc agcaacaagg caagtgcaca	420
gctaccttgg atggacaaaa tgggaaaacc tcttatctgc ttggttctcc tcctggaaat	480
ggacgtgcta ggaaagcgct ttccagactt tttggaaata aggggctttt acttnttttc	540
acaatanggt tttta	554

<210> 6711

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6711

```

gacagagtct cactctatca cccaggctgg agtgcagtgg cacgatctcg gcacactgca   60
agctctgcct cctgggttca cgccattctc ctgtctcagc ctcccaagta gctggggacta  120
caggcgcctg ccaccacgcc aggctaattt ttgttaattt tagtagagac agggtttcac  180
agtgttagcc aggatgggtct caatctcctg atctcatgag ccgcccgcct tggcctccca  240
aagtgcctggg attacaggca tgagccactg cccccggcca atctcaggta tttctttata  300
gcaatgcagt aatggcctaa tgcagtatat gtatatagaa atataggata aaaagggtgta  360
ttttccaca aaatttttga cttgggattt caatttcagt ttagaaaaa tcaacctgag   420
atccctggta aaatcagtta aaatgtcaaa tcagtggacc cgggtcaact cntactata   480
ttggggcttt tcactatacc cccatatatt tcnggggtata aattttgggt ntggattnan  540
gggtgnggct atatn                                     555

```

<210> 6712

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6712

```

aaaattactg tactttattg ctgtatctat gctttcccag tatagctata atactacaag   60
gagccacaga gtgccacctt ctggtttaaa actgtggcac cttatttctt ttgaaatgtc  120
actttataag gtgtatgtag aaagcaacag cagcagttac aaaatgttgt ctgagtgatt  180
ctgagagctc aaaacaagga tccgcgtata ggctgaagaa aaagacgttc agttaacagt  240
gcgcgctgta gaactttaac acaagtcctc aggtggaatt cctgtgtaaa ccttagtaga  300
gatgcgactc acggagacca aaagtaaaaa tctctttacc gtttacagtt tagtgagggtg  360

```

gtctgcattc tcgcaaacga cttacaaagt acaagaaatg ttgcgtgtga gtattaggca 420
tagaaatatt cantttctta ccggaaggac cacangggga caggaaacct antggacgcc 480
cggcaacaac tttcccgaag atgcncaccc caggaacgga ntgcaagcct gcacaggcac 540

ettacaatct tttg 554

<210> 6713

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6713

cgagacaggg tcttggtttg tcgccaaggc tggagtgcag tgggtgtgatc acagctcact 60
gcagccttga cctcctgggc tccagtgate ctcccacctc agcctctagt ggctaggacc 120
acaggcatgt gccatcacgc ctggctaatt aaaaaaaaaa attttttttg tagagatggg 180
gtctcaccat gttgcccaga ctgctcttga acaatcttcc cacctcggcc tcccaaatg 240
ctgcgattac aggtgtaagc cactgcgccc ggtctgccag tgtttttcta atactaagac 300
aagggttatg ggtctgggag gaagagccca gtggtgaagc gccctgtcac atctgcccgt 360
gtgacctctc ggtgatggtg ccagccttga cctctgggct gagacagtgg gtcggctctt 420
cactgtggaa acgccttgcc taccttcac tctgggctct ctggaaggaa agcaccatgt 480
gcagcccaca cagaangggc accaacttgg gnccccccct tgngccctta attt 534

<210> 6714

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6714

gcatttcct gatggctaatt tttgttgagg gtattttcat gtgcttattg gacatctgca 60
tgtcttattt ggagtaatgt ctgttcagat tctttgccta taattaaatt tggttgtctt 120

tttattgttt agttgtaaga attcctgata tatactggat aggtgatttg caagtathtt	180
ctcccattct gtgggctttc atgtcacttt ctgatagtg tcccttgaaa agcacagaag	240
tttttaattt ttatgaagtc cagttgtttt gttgttggtg ttacttgtag ttttagtggt	300
<hr/>	
atattagaaa ccattgcctg gtctatttat tccagcacca catgctaaaa agactattct	360
ttgcttcatt ggattatcat ggaatctttg ttgaaaaatc aactgattgt aggctggccg	420
tggtggctca catctgaaat cccagcactt tgggaagctn aaggtgggaa ttgagcccag	480
gaagtcaagt tggccttgac cntgataccc ttcanggtga actccacctg gg	532

<210> 6715

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6715

caacctgtgg ctggttatht tcactccctt cctttcttg ctcttctct gatgctactt	60
ctaagtcatg ttcagctgct ttggatgttt gtacatcctt catcctcct gctttatttg	120
gaacagaatc tttcatttca atggtaggct tcaagtgaag atatctctca ggagactcca	180
tgtgggctac tggcatgcct acatttcttg tatectctag tttagccatc ttaaagtthc	240
ttgatccact catgcaagaa ggtatataaa acacatcttc tgcttgttca tttcctatat	300
ttttttcttt tccgtctgca gcccagcta aaggatcaac atacttctgt ggaaaattct	360
cagagatact ctcagaatcc caaggtgatt ctatatcttc ctcttgnct aatcctaag	420
cggacatcat atcacttcta taattttggg cacttcatca acataagtca aaatggcatt	480
atttggttgc tctaanggga gccccttca ataatatcaa tncatttctn ttttttggca	540

<210> 6716

<211> 454

<212> DNA

<213> Homo sapiens

<400> 6716

cagggttttg ttggctttta catgtttttc tttagataac tggtaatgac gcacattaca	60
aaggagactt ttctaaatct caagtccttt gctaattttt ctttgaaca acagcacatt	120
ttcaatgcca aaccttctcc tacaacatac aaaggggaga tgccaaaact ctgaattctt	180
gtaacggatc ctgcaactag ttctatccag aagatggaga caatattccc tggagttgac	240
tgaacatgtg agaaggcaca gctcagaagg agaggaaggc tgagggcagt gaaatgagaa	300
cctatgcac accctggcctt tttacatgtt agtctatcct actatcccag gaattcactt	360
ctgctgtact tgagattcag ggataataat gtgactcctc ctcccacatt ctaagtaa	420
atgttaacta gatgagcatt tangncnntt nnan	454

<210> 6717

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6717

cagcttcggg tgaatcactt taatgctgtt aacggcaagt ctgtaaaagg ttcaggacaa	60
agttcttttt tctttctttt ttaattataa aactaacagc tgttagaatc tttttttctt	120
tttttccttt tttcttttcc cagctacaaa atactctggg gagatgcatt ataatttaaa	180
atatataata ttgcacaaac aaccaaagg ttaattaaac taaagaaata attacaaaga	240
gaaaaacccc atcccgtcaa aaaaaagatt cagcattctc tccatcccac cccctcactg	300
aaggtttgaa gtggaagtga cctcactctc tcggtgtccc tgaccacaga tccctttcac	360
tcattggtga gcacaccaga ttaggtcaag aatcaccaga gcagcatcgt gaagcaccag	420
gctcttccag agattcctgn agcccccat tccccaaaa ggtgcagctt taccagagt	480
ganggtgaaa gccccaangc tggggctggc ttcaggaaga aaactttggc agaaaccnn	539

<210> 6718

<211> 522

<212> DNA

<213> Homo sapiens

<400> 6718

ggttatgaag agtcttgact tccctgagag tcaaaagccc cattaattgt tcatgtacca	60
naggtagtgc agggcacact catgtgcccc agtccttacc ccgacgcttg gagacacagc	120
tgtgggtcan acaggcaacc aatcagggag gtctctggga actcagataa tgaaaatttt	180
ttcatgtata aaatccttaa tcaaaatgcg agtgggtgtca tcttgcatg cagacactgc	240
aacttaaaat taatatacaa cagaaccttc agcagaagga acatccccgg gctgtgtggt	300
acaagtgacc ctgaactgtg gcctggactg ccgagacccc aggcggcagg ccggctccag	360
gccagcatcg agatcccagg gaaacaagct gttgctgcac cangatcccc aaggcccgga	420
nggacttcna aatgtgangg caaatcggca aagatgatgt ancacaaaga gggncattaa	480
caccataagg ngtaactgca caagggggct tcggcaanct ta	522

<210> 6719

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6719

accaagtaaa ggacaaactt gtactgcac ctacttttta gtaggcaact aaagcttaaa	60
attatttgat cagactttta aaacctctat gacaaacctt tacgagtttc tcaaagcgtg	120
gtcttttaggc tactgaaatt tccaaagttc ttctggaagg ttacctttt atatgacagc	180
aatatgagac tcaactgccac tagtcctaca gtaaattaaa actatatctg caacttcccc	240
cagacgtcaa atcaccatct aattattgta aggatttttt tccagataac aatagctgga	300
atgggggtgtt tcagggattt tttgttcacc ccagtgggta ttggtgaaat ttgcaccatt	360
tccttcctat ctccccagga ccacctatca agagaagccn tagtaaaccg tcaacaaatg	420
cttgataacc cgataaaact actttaatct gnttaagaaa aataacctaa agaattggaa	480
taagccttgg ccttggtaaa aatatcaact tttccttaaa aggctctcag tt	532

<210> 6720

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6720

```

agacggagtc tcgttctgtc gcccaggctg gagtgcagtg gcgcgatctt ggctcgctgc   60
aaaccccgcc tcccgggacc aagtgactct cctgcctcag tctcctgagt acctgggatt  120
acaggtagtg gccacaacat ccaactaatt ttttgtatit ttaacagaga cggagtttca  180
ctgtgttagc cagaatagtc tctgtctcct gacctcgtga tccgcccacc tcagcctccc  240
aaagtgcctg gattacaggc ctgagccact gtgcccagcc tcccatctac agactttaag  300
cagggtagca actctattct gaagttcctg cacattatac ggcattaaaa ttgtattaca  360
aattaaaaca aaagtcattc taataaaaaa gtcattcaag taaacaaaag aagctgacat  420
tacacagtaa tgnatcataa attcttaatg cctaaaaact ggtgaatcaa tagatgtaag  480
tcagaataaa gaaaggcttg gttggtaccc attatttttag aaaggatcat aagg      534

```

<210> 6721

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6721

```

caaaaagaat gatacaactt ttattttcca tggattttgc agatactttt gctacatagt   60
ttatgtatit ttatgagatt tttttcattt gtatgaagtt cattcagcct tatacaatit  120
taaggtagata tgtttggtag tgtatctata atctttaaaa agtttagagt ttttggaatg  180
tacagtatat gaggtaaaaa caagattaca ttaaaaattg ttttctctc tcgactaatt  240
ttgcagtgag gctcaaattg caagtatact attaaatgac atttactatc aaaaatagga  300
agttcatttg aattactatg aaaaacataa gccactgtaa cttgacacag tggcacattt  360
taccatttta gacattcaac tatatataaa tctctgggct attacactca gactcatttg  420

```

tactgccaaa tgtggcactt taaagaagtt tctagaaaac natcgcaatc nctgnngttc 480
tgggnaangg tntc 494

<210> 6722

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6722

gatacggagt ctgtctccca ggctggagta cagtggcgtg atctcagctc atcggctcac 60
tgcaagctct gcctcccggg ttcacgcat tctcctgcct cagcctccca agtagctggg 120
actacgggcg cccgccacca cgcccggcta attttttttg tgtttttagt agagatgggg 180
cttcaccgtg ttagccagga tggctcgcgt ctcctgacct cgtgatccgc ttgcctcggc 240
ctcccaaaat gctgggatta caggtgtgag ccactgcgcc cggccccag tccactcatt 300
ttatacaaag gaaacaaagt ttcagaaatg tgtatcttgc tcaccagtcg gaagcagagt 360
ttgcctttga accatgtctc tggatctttc ctagccatat accctactat aacatatttt 420
aggagcatca tctttaaaat acaagttgca accttctaaa ttgggaagaa aagcctgtag 480
caacttcttt atatctttta aagaaaacct ggggaggggg caagncctta agnggggaaa 540
ctatgaactc aaaaccttta a 561

<210> 6723

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6723

gcctgcatgg aaatattcat tcaatcagac cacactccat ttattaaggt ctgtactcag 60
gtgttacctc tgtctagagg ggacaaatgt atctaattctc tacaaggtaa tttgtaaaat 120
tgtagtaggc cagaaaagaa gtacttcatt tagaacacag acagacggac ccatgaggac 180

ttttagcaga cagacagagg gacccacgag gacttctgac tgacagatgg gtcactgtta 240
 gttgcccata tcaaaagttg aaatgtcatg gttgtaaaat cataagaaaa agaagtaata 300
 ataatgtttg taaaactaca cattaatgga taattaagtt aacaacatac aaccacattt 360

 atattacata tgtgtttgta tatatatata tatatatatta tactagtatc ttaaagactg 420
 tacatacatc agctcatttt ttttctataa atccttatga nggaaaatct ggtatatcc 480
 ccatttgnaa ctgnttinga agtaattatt ttgagaaagg tgaatnttag ctntatgcn 539

<210> 6724

<211> 400

<212> DNA

<213> Homo sapiens

<400> 6724

gaaaatgaaa atagaatatt tatttatgtt taacttaagt tactntcaat caaaaccagg 60
 caatgattaa actggcaaca taaaaaggag ggagcacgag tcatggaggc ggnaagtgg 120
 gcacctgcan acttgctctg ctccatcact tttccaaga ggcccagaaa atgtaaggtc 180
 atggctacat ccaagttaca atggtagtga ttacagccag gttagaaagg gtcactttt 240
 gttcagagca aactctacat cattgaagag ggggatcagg tcttcagatt ccaaagttcc 300
 taagtcaacg tttgttcctg gaagacagtc aaggaaatca gggaaacggg tctgttgggg 360
 attgatgttc atggngttn gnccngngtt ttctcngna 400

<210> 6725

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6725

gttttgtttt ttttgcagtt gtcagtcttc atgatccatt ctgtggcgag ctgggaaaaa 60
 acgcagttgc taagtcaacg tctgaacagt gtgaggctcc tgaatatctc ccaggagtcc 120

ctgcgcaact gtcctgagca tgagatcatt gcacagagaa gacagtccac cgcgagcgc 180
 tgactatcta cagaggtctg agaggggccc gtcctcttg tgtttcctct ttttgccatg 240
 gtaatactga ttattggatt tgccttgatg ttgtttgttt gtcacaaagg aacctaggct 300
 tgtttgagtt gtaccttggg agcctttgct ggaagaacga aagagccttg ctgatccatg 360
 ctgagatttg ttggtgctgt tggatgtgtt agtggtttgg gtgctttgca ttttcccaac 420
 tgcctgagag gactccaagg atacatcttg cgaccctact cggntnccag tggacggacg 480
 ggaaagcagc tggttcaagg gtttgcacgg nggtgcatcg gaatctacgt cacttaanct 540
 ggactgngtg gcaaaaaa 558

<210> 6726

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6726

ggctcttcctt tgacacctag gctggagtag agtggtgcaa tcacagctca ctgcagcctc 60
 cacatcctcc caccacagcc tccaagcag ctgggaaaag aggtgcacac caccacacca 120
 ggctaattct tttatTTTTT gtagagatgg ggtctcgtct tgttgctcag gctgggtctca 180
 aactcatgga ctcaagtgat ccttccacct cagcttccca aagtgtgag attacagaca 240
 tgagccccag tgcctggcca aggcttttct ttttcttcca aatcattcca tgcttactgt 300
 cagctaaaat ctctcctctg ttacatagct cctgtcttat atttgtataa ttaaattatg 360
 gtacttaaac actctttaca tttatcttct ttacagtttc atctggttag gttggccatt 420
 gnttcaaccc attccaaact attttcggnc ataagaaaga cgctaaggac ttcataaact 480
 ggcttgaanc gactgntctg anggcttccg attacgcca aagtttattc atgcaaganc 540
 ccgngaggna 550

<210> 6727

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6727

gcttggacat taaataacaa atgaaagcat catgataaat tgagacgcag agaccacaga	60
agaaagaaaa tgctttatat ggtaatactt cagcagtgct tttcctctga tttttgaatg	120
aggggggtcca tattttcatc ttgcactggg ccttgcaaat tctgcagctg gtcctgactg	180
ccaagagagg gatttagcca taaaatcagc aagggttggc cgtggggaag tggggtacag	240
gaagatagag gatttaggca tggctgcagg gttttaagct ggtggtactg ttggctggga	300
aatctaggaa atccagcatt gagggaccgg ctttgtgaat ctgttgtgga tgggctgagc	360
ctgcagtgac catggggcat cctgcctggg aggagggcga acagcaattc atcagcacag	420
gtggtgactg aggctcanga ngggctaccc gagcgggaac tgcgggcang gatcttgggg	480
aagcagacat ttaggagatg agacaacagc ntggctaacc tcaaaccctt tttagataga	540
atgtcttctt tctn	554

<210> 6728

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6728

agaaagactt aaattttata aacatccaag aaaaaggag ggagaccaag ttttaataaaa	60
ttaatagatt tgtaggaag aataatcaat tttccataacc cctccaagc cattgttatt	120
tgatataaat cacagttttg tttaaaggaa ttttaagaata acttcgtcac taatgacaca	180
tcatttttgg caaacaggaa aaatactaaa ttcagaggat catagtttct gcttagtcag	240
ctctgacggc cacacaagag gttgttatga tttgcaattg agaagtagta ctatttggat	300
aggcttactc atggaaatgt ggaaggtttt gcaagcctgt cagatgtggg actgcatacg	360
atttatgtaa attctggtct tcaatagttt gtagacttag tggcaaccta gtaattgatt	420
tcctgnttcc ccatcactac agctgtcact ggacgaggag gagaatgaac naaataccag	480
gcactttcta ttctagcata aangctctgg aanccagtct gntggccttt ctggggggga	540

cctaattttt tttt

554

<210> 6729

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6729

gagacggagt cttgctttgt caccagggt ggcgtgcagt ggcacgatct cggctcactg 60
 caagctccgc ctcccagggt cacgccattc tctgcctca gcctctcgag tagctgggac 120
 tacaggcgcc cgccaccatg ccagctaata tttttgtatt tttagtagag acagggtttc 180
 accatgttgg ccaggctggt ctggaactcc tgacctcgcg atccgcccac ctcggcctcc 240
 caaagtgtg ggattacagg ctgagccac cgctcccggc ctccctatag catgaatttc 300
 tataactcta gctactgctt aagtcagata aaaaaaacac aaattacaat gacaatttac 360
 catgtgtctg gcgctgttct aagcacatgt taatgcacaa aaattctatg aaatagggtg 420
 attattatct tcattttata gatacgtaaa ttgaggtaaa agccaagttc atcgacttct 480
 tcagaatcac acaggtagga aaatgtccca gaagcctaca ctctttaaac caccacaact 540
 aggtatacct nagtcn 556

<210> 6730

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6730

gagatggagt ctcactgtct ccagggtgg agggcagtgg catggtctca actcactgca 60
 agctccgcct cccgggttca cgccattctc ctgcctcagc ctctgagta gctgggacta 120
 caggcgctg ccaccatgcc tggctaattt tttttgtatt tttagtagag acagggtttc 180
 gccgtgttac caggatggtc ttgatccct gacctcgtga tccgcccacc ttggcccccc 240

aaagtgttgg gattacaggc ttgagccaca gtgcccggcc agcatctgct tttaaacaga 300
 attttacaat gttcctatct tcacctccac cttcacttcc attctgaggt gtagctagca 360
 ttgtagattt ctgaacttgt ctagcaatta gggacacacc gctcctagcc tccttcaaca 420
 agctatgtga agtgtttagaa ttccttcact ggcatgttgg tgagattttt ggagtatatc 480
 aagccactgg ctttaactag aacctncctt tttcaaactt ctctggatga aaaagcatca 540
 ggatatattt ncaa 554

<210> 6731

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6731

gttttttttt tttttttttt ttttttacca gcaatacaaa tctcttttta ttgggacttc 60
 ataatctttt tcaattgaag aggatttcct ttgtcaccca gcagggtcct ggaacttctt 120
 ggctggaatt canatatcca gagttctggt tacctacaac atctattctt tacgtagtag 180
 cttacaagca tcaaaggcca ccctcacctg atgcttggcc ggatctatgc cctccaaaat 240
 agtcttcatg tctctctgct tgnctaaatc agccccctgct tgaagtaaaa catntgcaac 300
 atccgtatgt ccattttcac aagcataggt taaggctgtg tctcctgttg ctgtttagc 360
 atgcacatta ggcgcagaag ccagcaaata ttttaaccaat tccaggngtc cctcctgaga 420
 agcctccatc aaagggtgtg agcaacccaa gttctatatc aaccctggc ntaataagaa 480
 agtctgnaac tttagaaaat cctcccagga ggccaagtaa gagccgttcn tgggggtintt 540
 tgg 543

<210> 6732

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6732

aatagtggaa atttttat	tacaaatgaa aagtcaaaat	actgctttga attgaccctt	60
aagtcacact ctgaattcat	accatgcagt taaaattttc	ccagttcatc aattaattcc	120
<hr/>			
actgaaaaca gactaagctt	ctgtctatgg aagaagcaca	gaccagcttt aaccatgatg	180
acaatcactg gtaagactaa	gcaaaggaag tgactgtatc	tctgtttcaa attctttttc	240
ttcttgggca cattctccat	ggccatgtga aacttaaaac	aaagattgcg actgtcctgg	300
ccagagaaga aggttaaagc	tgtgtcatag agaattgcag	attatagttc taccttcac	360
ctgtgatatc catgtctctc	agagaggtct ggctacacca	ggatgttctt tgcgatagca	420
ttcaaaggcc ttaccttggt	cacatctggt acctttaggg	aatattctga gccaaagaaa	480
ggangcttcc atngnaacng	atgaattcgn aacttcattt	ccgggctcta attnancggc	540
aaacagtgg			549

<210> 6733

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6733

gagacagagt ttcgcttggt	gcccaggctg gaggatgcaatg	gcgtgatctc agctcaccgc	60
aacctccacc tcccaggctc	aagcgattct cttgcctcag	cctcctgagc agctgggagc	120
acaggcacgc gccaccatgc	ccggccaatc cttgcattct	tagtagagac ggcatctctc	180
cacgttggtc aggttggcct	cgaactccca acctcagggtg	atctgcccac ctcagcctcc	240
caaagtgttg ggattacagg	catgagccac catgaccggc	cagctactgt cttttctttg	300
accttcctt tccggttttt	gaagataaag caggaagtaa	tcttctctga agatacttga	360
taaaaattcc caaaacaaca	aaacacatgc ttccacttca	ctgataaaaa atttaccgca	420
gtttggcacc taagagtatg	acaacagcaa caaaaagtat	ttcnaaagaa gtttaagaatt	480
cttagcaaaa tagatgattc	acatcttcaa gtccttttgg	aaatcagtta aaattaatcn	540
tttcccantt tcan			554

<210> 6734

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6734

```

aaacacagtt catttttagt ttgtcgtggc aatacatgga aaaaaatcag gccactacta   60
agcatctata gagtgtatct ttggcaaaaa tgtggacctg caacaattca gatggttttc  120
tttcaattag gttcaaaaat catggctctg taaatttcca aaacttttaa agtcttctca  180
tgtcttctta taatcgggca ttcagaggta cgtgttggtt ctaatagctt tggtagaaac  240
atgctgaaaa tagaaatgaa tataaaatgc cttgtcttta ggctaatttg gtatggatta  300
gtaaggcctg agtgaactgg aaattagtag atttcttgaa ataatacaaa tgaatgtgag  360
acacatgggt agaacagcag attcagaaaa aaaggttaag tattgtagtc ccaagtttta  420
taaaagacat caagtaaggc cagcaataga ggaatcaagt tcttttcggg ttccctgggg  480
gggattincta tcactttacc gtcatgaact gggattigna aagngaaagg ccttgacttg  540
gtttggagg                                     549

```

<210> 6735

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6735

```

gtctgtctgt ggcaaaagat cctctgttg cctctgaccc ctctctccgc tgatgccaat   60
gacaggaaac cagagactct ctgcctcaga gactacaggg agagagggag gatgggcca  120
aggtgtattc ctcttacgat gccaccctt aactcacgt gcattgctg agggcccttg  180
gctctcagtc tgcattgatt ggagctggga ccgaagcccc cattccagaa accggaccag  240
gagataggca aacaagaaga agccacccaa tgtgagaaag aaataagcaa cgggggtgat  300
gtccgtcttt atgccagca aagccagccc cagtaggaag gaggcgcagc acaggaggag  360

```

aagcggcttc tcagtcctcc cagtaagtgc attggcacca tggcccctcc caggcttctg 420
 caaaaagaca cacagctatt gggntacac tagcaattgg tgtcatggct gtgtcagatc 480
 caaagtaccc atatgaaaat tcttggttgg gttctaggtc ttcaatctca aataatcatc 540
 tggagan 547

<210> 6736

<211> 503

<212> DNA

<213> Homo sapiens

<400> 6736

atgtgaacat gttgcattta taaagaaatg tcacacgtac acacagaaag gtcatatcaa 60
 agcaggtaaa aattaagaca acatatttct ccaaaaacca gtctgacatc ttataatacc 120
 agaaatatac acacacttca aacctgggaa atcatcctat gaatctgctc tgaccaatat 180
 ggtagccact aatacctgaa atatggagta accaagtaac aaatttttaa atttaaaact 240
 gatactcatt tcagttattg gaaaactttt aagcacattt agaccaacat gggtatgtaa 300
 atttactttg caaatttaga ttttatgaaa tctaaacatg gattaagtat ttcagtaaa 360
 acttttagtgn ctcaactgag atatgcaaac cagacagact tagtttcata agaatgaaaa 420
 atatcttact ggaataatat ctncatgna ttgnggtnaa tatattaaaa ttaatttacc 480
 ttggttttan cgnggntact aga 503

<210> 6737

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6737

gagacagagt ctactgtct ctgtcaccca ggctggagtg cagtggcgtg atcttgctc 60
 actgcaatct gtgcctcctg ggttcaagcg attttcctgc ctgagcctcc caagtagctg 120

ggattacagg catgtgccac catgcctgac taatitttgt atttttagta aagtctgggg 180
 tccactatgt tgaccaggct ggtcgcaaac ccccgacctc aagtgatctg cccacctcgg 240
 tcttcctaag tgctgggatt acaggcgtga gttacggnac ccagcctgga agtaaggaca 300

 getgtgttct aatgccagct ctgcccacc agctgcacaa ccacggggca agtcatgcca 360
 cccgtcaagc gttcagattt ttcaagctag atgaaggaaa aatgactgac ttcccaagaa 420
 gtccttgcaa ctctatatat ttaaagcttc tcignacttt caaaaangaa ccnnnancaa 480
 ccccaatact tccttaaagc canttact 508

<210> 6738

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6738

gagacagagt ctctttctgt caccaggt agagtgcagt ggtgtgatct cagctccctg 60
 caacttcaa ctcttgggtt caagcgagtc tcccgctca gcctcccgag tacctgggat 120
 tatagcctgc caccatgccc ggttaatttt tgtattttta gtagagacgg ggtttcgcca 180
 tgttgcccag gctgggtctt aactcctgac ctccaggtgat tcgcccacct ncagctccca 240
 aagtgtggg attacaagca tgagccaccg cgcccagcca aggacatta cttcttaagt 300
 acagaagcat cagtgaaggt cagtggcatg atgcgctggg ccgtcctcca caggttatta 360
 taaagaagac atccatgagg accaatgtca cacctgccag gaaacactcc ccagctccct 420
 gaagggcaaa ngctctggctt tccaaaaacc tggggcctgg tctttttggc attctaattg 480
 gccaaaaccc antnacatgg ctnttaatcc cccacttant ncctaatttt ntngag 536

<210> 6739

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6739

agacggggtc	tcgctctgtc	accagggctg	aagtgcagtg	gtgtgatccc	ggctcactgc	60
aacctccacc	tcccgggttc	aagtgattcc	cctgcctcag	cctcccaagt	agctgggatt	120
acaggtgtgt	gccaccatac	ctggctaatt	ttttagtitt	tagtagagat	ggggcttcac	180
cacattagcc	aggctgggtat	cgaactcctg	gcctcaagtg	atctgcccac	ctcagcctcc	240
caaagtgtctg	ggattacagg	cgtgaaccac	cacacccggc	ccgtcttaac	agtttctata	300
ctccccaaga	gtgagttgca	aatgaactaa	aagtcaagct	tgtaagagct	atttatattc	360
cccaactggt	aatggaccca	taagtatagt	ggctgcatct	tattcacctc	tgtaagcccg	420
aacctgacac	attgctgggtg	cagtacatac	ccangggaat	atgtgctgac	tttttaaaga	480
atttggaatn	caagggccag	tgtcaaattt	caatctaaga	actggattca	ttggcnaaga	540
ncctganttt						550

<210> 6740

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6740

accagtttac	tcaattaaca	ggtcagcata	taaaacctgg	atcttctgac	ccttgattgt	60
accacactct	gaaatgtata	taaaatttat	gattaccaca	aataaagata	cttcaaagac	120
cctaaggaag	gaaacacaga	agaagggaac	agcttcctca	cctataaaat	aataaaaatg	180
tggtcttttt	gacatccttg	agctaaataa	ggtcgcaagg	tgagagccac	tgcccagaag	240
ttttacccaa	atagtctaac	atagaaatag	gcctggaaac	aggaggagta	acataaattt	300
aaggcttacc	agtgtataaa	gtaccttcta	ttatcatttg	atcctcacta	ctcagttaag	360
aattatctct	atttttacat	attttttaaa	aaggcatcag	tgaaataatg	tgattacctt	420
caaggncacc	cactnggtaa	atggcttgga	caaatccica	ttaaccctac	tatacccttt	480
tattntgaga	aagtcagagt	anctnggtgg	aagcctgact	atttaatacg	gatccaanat	540
ggaaatccaa	atc					553

<210> 6741

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6741

```

cttttttcat taaaaaacca tttatagtca tttcatgttg gttggaaatc acagaaatta   60
ggcaggaaaa aaaaacccaa gggaacaaat acaaacagca cagcgttccc cacagttctc   120
tgctctgctc tcctgcgagc cggggaagga gaggggcagc ctgagctcgg gcgggggctg   180
ggcctggctg cccgcggctc agctctcctc gtccagggcc tccgagtcce cccgtgccct   240
ctcgcgtccc tgccggtcgc tcccaggcct gtccaggteg ggaccctccc gtacgttgct   300
ggtgggaaca gcaaaggcgg tgtgaggatg ccctcccgcc cctgccctgc ctgtagggcg   360
gttgggtggg atgggcaccg aggagtgtac ccccgttgtg gcacctgagg ctgagtgcc   420
gccttctatc tggttgcttc tggcactaga gaacnaacc atnttcaagg gtcccacgct   480
tggccaagc caggcattag cacaangnaa cttgttgggt aagtgaagtg acttcccttg   540
agcctn                                         546

```

<210> 6742

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6742

```

gtctttccca ttttcgggaa gagtaggcct gggatttggt ttaaaaggta atttattatg   60
aacatactgc atggcttttg ctttggcagc gtttttcttt tcttgaaata aagaaataag   120
gagaaagaca catacaggcc actgtttaag cctagaaaac atcccttatg ggagggtttc   180
ttaaccttgg cactatcaac aattcaggac agaacattct tttgtgggga cagtccagtg   240
cattgtagaa tgttcagcag catccttggc ctctaccac tagaggctgg tagctccaag   300
tcttgctgta acaacaaaa atgtctccaa acattgccaa aagccccttc tggagtaaaa   360

```

tagcccaaaa ttgagaacca ctgcttaagg ggggaaaaaa agaaaaaaa gtcccttan 420
aatgatgaan ggcaaccctt ggcanggtca gaaaaantgg ggccanattc accctggctt 480
ttgggttcan gcncctggg 499

<210> 6743

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6743

ggtcatctga gcttgagtta atcggcagca ctcggctttc taacctttga ggcatttcta 60
aatctgatcc cacacactca ttctttcaga gcccggaag gtaagatgaa ctgattacac 120
cactactaga aacatcctgt agaatcaaag aaaaatgctt cctgcctttg tacagaaaat 180
taagagattt ttcaaagtga agaaaagcaa ttttaattacc attaaacaag gtttaactgc 240
tgtgggcaat cattctctgc ttgagaagca taatttact tgaaagaaac cagattggcc 300
cccgccctc ttttggctta tcctcagcaa gaagcgactg ggaacaactg actcttgggt 360
gagctgtcca gatagttaga aacatatcac acagcagttt aagggacccc agggggggca 420
gggaaacccc agaatcaggc cactcctgtc cttgctcctg tctgctgctc ggaagggccc 480
cccacagcag aaacatgtga tgcctcctc ttctttggcc ttntacagaa gggcagacat 540
gggtntn 547

<210> 6744

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6744

catgttataa tgtttttatt gcaattgagg atgttttcaa taagtatctt gagcttgagg 60
ccctggctaa gtattccttt tgtactagaa atcagatttc tctggcacia ttccattgcc 120

tgcaatggtc tttatcaaaa ctacaaaagc cagcacacta tttcaatatg tattcagttg 180
 ttcatatcta aatacctcat tagctatgaa acaaaccaaa tataaatgct gaatatacag 240
 tacatagcaa cagattcttc acagaagaaa acaatgaaag actaattttc tacaatatgt 300
~~tacctgttca ttagttcttc aataacatta cttaggctat ttcaaggata acaaaatgta 360~~
 tgcgccacta cccatgtttt cgcaacattt tttacctagg ttctaaaggg gaataaatga 420
 gggatgccgt ataggcagaa ttatTTTTat aaactttcgg angttcnttt ggggtggggca 480
 tcttacatga atatatggga ccagaacngg atgtaccctt aagcattagt nggtctatgn 540
 aatttgctat atgg 554

<210> 6745

<211> 516

<212> DNA

<213> Homo sapiens

<400> 6745

agcttttcaa gagcgatctt ttatTTTTctg aaagtcctaa aactgatcca tttgtcaaaa 60
 gatgattgat gccccagttc acaaaccata tctTTTTctc tttcagcaaa tcctggagcc 120
 ccaagagggc tgcagcctga gtgaagtggg gacatcagaa cctgccctcc acaccaaca 180
 gctggactgc agcctcctgc aaggcctggg ggatgtgcct gacctctctc tgggacagag 240
 tccgttccat gtggcggtac gtgatgcggg agcagtggct ggtcttgtgc gtcctacaga 300
 gaggaagaga acacaggtga gtgcgggatg aacaaggctg tgcctgaagg agcagtgtgg 360
 cttgccctgg ccagatctcc ccaactgcag tggagaactg aggttggaat ccaggtacca 420
 tttaccgntn acaatctgna tcttatcagg gggaaaangt gacagtcagg ggaacattcg 480
 cttggactna aggangcttc tgggttnac tggggg 516

<210> 6746

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6746

gagatggagt cttgctctcg ctctgttgcc caggttggag tgcaatgggtg taatctcagc	60
tcactgcaac ctccgtctcc tggctccaag caattctcct gcctcagcct cctgagtagc	120
tgggattaca ggcacgcacc accacacctg gctaattttt gtattcttac tagagatgtg	180
gtttcatcat attgatcagg ctggtctcga actcctgaca tcatgatcca cccacctcgg	240
cctcccaaag tgctgggatt acaggcgtga gccactgcgc ccggccatt aatcttatct	300
tttaaactcat atcaacagtt ctaaaaaag acttggattt ttatttggtc tagtgggtat	360
tgntctagaa gcaagactcc tctaattgat cataacacca agcctacccc ttagctgaca	420
agtcaaattgg gtggttttgg gtggntcaaa tncaggaaga caccctttgg gatacattga	480
ctaantagcc aagaataana aggcagggga aagaaattat ctaaatattt ttggctaaac	540
ctn	543

<210> 6747

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6747

caaacagcgg gtcattttgc agatctcaac atttttgaaa gacagaatat aaaacatcag	60
cttttaccat atgttgtggg caaatacatt ttataaatat tggcttagat gagatttaag	120
ctcatctagc tttaggtgct taagagtcca ccagacctgg ccggagcagt ggctcatgtc	180
tataatctca gcactttggg aggccgaagc gggaagactg cttgagacca ggagttcaag	240
accattcaaa gtggtgagac tgcacgcgtg agccaccatg ctgagccaga ttttgtttct	300
ttgtgaacct gcactgctgt taggaaactg taagtcttat cacctcccga atctacaaaa	360
gcctctgtgt aggtatcttc accagcaagg cttggccaat agcggataga tccttctctg	420
gnggcaacca tgacagcaac agncttaaaa caggatcaca ccattagcat tcncattaaa	480
agaggaaccc aaaanccacc agtctgatgg caatggatcc aaggaaccgg gncanttact	540
ntttggacca na	552

<210> 6748

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6748

```

aagttttgca gagatagggt ctgctatgt tgctcaggct gcttttgaac tcctggcctt   60
gagcaatcct cctgagtcag cctcccaaag cagccacggt gccagcctc aattaagttt  120
tcaacagtga attggactta aattgtcttc tgtttacaat ggctgaaatc catttaaatt  180
ctcttggtgg tcctttgttg attcctggag atttttgtac tgtacttgcc tcattcctac  240
acatacttta attgaataaa atgggagaat gcattttccc aagtgcctaa agtgactgtg  300
gaaataacca gggagagtta ctattttcag tctacaacat atcatattca gatacatatc  360
attgtggaca taatgaatgg gaattctata tacctataat tagtcaacat aattttcttt  420
tcctccttat ataatgattt tatctgagca ccaagggggt cctttacatc aaataaactt  480
tatgacaatc caccaggcca atttactacc tcaattangg catggtacat aaaaggnga   539
    
```

<210> 6749

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6749

```

gagacggagt cttgctctgt caccagggt ggagcgcagt ggtgcaatct cagctaactg   60
caagatctgc ctcccgggtt cacgccattc tcctgcctca gcctcccgag tagctgggac  120
tacaggcgcc tgccacctcg accggctaatt tttttgtatt tttagtagag atggggtttt  180
caccgtgcta gccaggatgg tctcgatctc ctgacctcgt ggatccacct gcttcagtct  240
cccaaagtgc tgggattaca ggcgtgagct accgcacctg gcctacaaat acataatttt  300
aattaacaac ttcatttgtc tgaaaccttt ttgtctaatt tgttaggata tgaggctaatt  360
    
```

atgcttaata acatgtttta catgtttgca acaaactgaa cataaacaga aaatccacat 420
 ctttgaaaag agctaaacac aaagaatgaa ttacgtgag aaaaagtaat ggntttcant 480
 aaaaagcagt caatgccttc ttntgngctt ggaaaatatn tnaagcctan ttttactggt 540
 ttaa 544

<210> 6750

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6750

gagacaaagt ctactcttg cccaggctgg agtgcactgg tgcgatctcg gctccctgca 60
 atgcctgact cccaggttca agccattctt gtgcctcagc ctccaagta gctgggattt 120
 caggcgtgag ccactgcgcc tgcccttggt acgattttta aaagcttacc tggttgtagt 180
 ttaagcctca gatgggtggt accccagata ttgcaagtgt cagctctttt ggctgtttcc 240
 agagaccagc ctgtatttct gtgtccctgt ctgtgttggt agggcatgga gttgagtgtg 300
 ggctgggtat ccagttgtgg gttgggaagc ttggggggaa ggaagatagg ttctttgaat 360
 acatacatta gcttcattgg tactaaaacc acccagattc agagaagtag tggacaccca 420
 ggatgttgat tggcttggtg tgtaacgggt tttcatgag aaacatcctt tggctactan 480
 ggattggcac atttgggctg nttgcanctg aggcttgagc anctttttga tcaacagttt 540
 tna 543

<210> 6751

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6751

gagaaggagt cttgttccag caccaggt ggagagtagt ggcacaatct cagctcactg 60

caacttccgc ctccctagtt caagtgattc tagtgcctca gcctcccaag tagctgggat 120
 tacaggctcc caccaccacc tccagctaatt atttgtgttt ttgttgttgt tgttgtttta 180
 ttttttgaga tggagtctcg ctctgtcacc caggctgtgt atcaaaattc ccatgaatat 240

 ttgttatttt tcccagaaaa ttgaccctac ctagaatta cagaacttca aaggcagcaa 300
 agagaactgg taaagtcttt ttgatatgg ctcccagaaa gtgacagaaa gtgactcaat 360
 tcaaaccatc atcaacactc tatggggaca taaggcttaa caaagaactt cacttaagtc 420
 tatggtcctt ctccaaact taatgccgga tctcagcctc atcacatatt gaagactgna 480
 tcagaaaatg gtaagtgcta gcaccaatag gcattangca gtagactcan nttganggga 540
 gcttggn 547

<210> 6752

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6752

atagagacag agtcttgcta tgttgcccaa gctgatcttg aactcctggc ctcaagtgat 60
 cctccataag ccaccacact cagcttaaac tgtcttaaga ctaagatgct tagagaggga 120
 aaagtggat tacagtaagc ttcttgggca tgacttactc acagactatc tactctaaaa 180
 tctaaaagac cttttttaa agcgggatga ggtgactctt ctaatttagt cagcatgagc 240
 aagaacaaac aaaacctata aactcaacta ttgaaagtta cttcgaactt tatactgaaa 300
 aagcactata caaaaatttc catcggttat tcctcatggt cacttttaca agatgggttg 360
 ttcccaactg gccaaatgac ttcccttggt acccactgta tgcactattt cccttccgac 420
 agtgacgtcc ccttgnactc tgtcaagtag gattaaaact tttcagactc aagnattttn 480
 ccttttctcg gggttttcag anantattaa ctggtctttn aaaaggntta aaggccaaaa 540
 tntt 544

<210> 6753

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6753

```

ggctcatttc tccatttatt agaataacca catttggaga ggcatgaagc acttaagttt   60
tacatgacta caaagttatc acaaatctca aactttttag ccacagatat ttcacctctg  120
tttaaagaaa aagctttcaa aacatctgag ttagcttaat acacagagac cctgaaatat  180
atgggaacta catattttta atgcttgtac ttcctgctct aataatgtct tctttaaacg  240
gaatccagca taaaagggat tgaaatgtat aaggatcatga tgcaaagtct ttggagatag  300
tgaaactgat ctgcacaaca tggaaaaaga tgtcatgtgc acagaagttc tgcaaggatt  360
cactgagcca tctgggcttc catggcttgt gctgtccatt ctggtgctgg ttgactaatt  420
ttctncaaaa ggggtattcct tggaacaag tgattggact gcttatccac gttggcaggc  480
tttcggggtt caaaaggact attcctcaat ctgggcaata aatcctttca tccgtcctt   539

```

<210> 6754

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6754

```

gtctaacatt tatttttttc tttttccca gaatcctgaa acacaatagt ctttttagtag   60
aagaggtttc tgagttcttt ctaagcaact actctaaaaa atcagtagct tctaggtgga  120
atcacacagt ttccataaat ggtcttattt tccttttctg gttgaaattt aacccaaaga  180
actttaaggt ctaatgtgat gcagtattta catacaaaac tcttaattca tcctgcaaaa  240
tggccaatat gagcagataa ataggaaagc tatgcatcta ataaagcaca gggccagtgc  300
tctataaaga ttattgagtt gtaaacataa gatatctatt caaaagagac cactgaaatg  360
gttggggcca ggtaggcca aaacttaatg cattaatgta aacattatca gtatgtttac  420
gtacctggtg ccataccaca cagaagcttt ccaattccta ccacaggag gttttcttct  480
cttaacacca ggaatcttgg tcaaacccca aggggtggaat ttcaattgga agcntttcaa  540

```

acactggatt

550

<210> 6755

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6755

```
ctaaacttct cttcttgctt catttcattc atttgatctt gaatcactga taccctttct 60
tccacttgat caaatcggct actgaagctt gtgcatgtgt gacgtagttc ttgtgccatg 120
gtttcagctc catcagggtca ttttaaggtct tctctatgct gtttattcta gttagccact 180
catctaactt tttttcaagg tttttagctt ctttgcatg ggtttgaacc tcacccctta 240
gctcagagaa gtttggttatt agcgatcatc tgaagcctac ttctgtcagc tcgtcaaagt 300
cattctccgt ccagctttgt tccattgcta gcaggagct gcattccttt ggaggagaag 360
agggtgctctg attttttagaa ttttcagttt ttctgctctg gtttctcccc atctttgggg 420
ttcatctacc tttggccttt gatgatggtg acgacagatg gggttttggg gnggatgtcc 480
ttctcttggt agtttccntt taacagcagg atcctaactg gangtctggt ggaagt 536
```

<210> 6756

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6756

```
gtcaattcag tctctcttga agggcgactt ctactttctg tgcaaatagt tactcttcat 60
caggaccctg catatttaag taaatcacac taactgcatt atttgcctc tttggagtgt 120
tatacttggt ctacatgtg tacattaatc cagaaatatg cattaaaaca ctgcacagct 180
ctgtgaactt gatgcactga gatttataaa tagtcttctg aaaatccgct tatattcaaa 240
gacattatgc taaggcaaaa tgtaagtaat taaggaggagg tgacgaattg gaggtaataa 300
```

taaaaaatag tcatgtagaa aattataaat aatgactaag gtgaaaaaga aaagtgaaag 360
 tactgaatgg gtagaaaggg aactcaattt tggttctaag cattagtatg aaaagggcct 420
 aatgccataa taacccatt ccaatgctta ctacctgngg gtactggtaa ggtactatac 480

 ttcattaage cttacnttcn tggaccgna aaatggcata ataggatctt ctgcaaaggc 540
 ttcctgggtt tngaac 557

<210> 6757

<211> 459

<212> DNA

<213> Homo sapiens

<400> 6757

atataacaca gtcagggaca ttttggtttt tcagctgaaa ccacaactag ccaaagctgg 60
 aaaacgttac atcaccatcc atgattcaac aataacaaaa aggatgacta tctaaagaag 120
 aatggtctan aaagcatcac ttcattgctat gggttgaact gtgccctcta ataacgttgt 180
 tgaagtctaa ccaccagtgc cttanaatgn gacctaatTT ggaaataggg ttgttgcaga 240
 tataattagt taagatgagg ncatactggt gtaggggtggg cccctaattc aatatgactg 300
 ggtatcctca caagaagaca gcaatgtgaa gaaacaggga gaatgcccc tgaaaaggga 360
 acnnagattg gactgggtgca ttacaatcca nggacatcaa agatgggtan cctnatgaen 420
 gcttgganaa aggttgggaat agatcttcct taaagctct 459

<210> 6758

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6758

gagatggagt cgtgctcttg ttgcccagcc tggagtacaa tggcacagcc tcagctcact 60
 gcaacctcca cttcccgggt tcaagcgatt gtcctgcctc agcctcccaa gtagctggga 120

ttacaggtgc ctgccatcac acctggctaa tttttgtatt tttagtagag acagggtttc	180
gctgtgttgg ccaggctggt ctcaaactcc tgaccttgtg atctgcccgc ctgcccctgc	240
caaagtgctg ggattacagg cgtgagccac tgcgcctggc tcanattctc ctttcttaat	300
<hr/>	
attcacatat cacttggttat aaacttttgc aatctacaga aggagcagga tataatacaa	360
aaaaactaaa aaaaaaagtt aaaaaataa aaataaactt tggggataat tagataatct	420
aagaaattct ttnagnggtt ttncctaactg ctggggatng ttaaaggga aagaagctca	480
tnggaaattg aattinggtgc ttgtggactg acaagggttaa gttgggtnc taatggagga	540
cttttanggc	550

<210> 6759

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6759

agagcacaac aagttgcatt tattgnttct gacaagtgca tagtaatttt cagtttgctc	60
atgttcctag catcacaat ctgagttaca attttgcttc tcaatgaaa acatatactc	120
tgaaaagtga ttaggaagtt ctaaaaattt tagtcattta tagagtatct taaaaatcct	180
tatcaagtaa gatattaact ttacctttat aaatctttgt gtgaaatgaa aaaaaaatca	240
aggcatacaa atttcattgn gttctacatt tttaaatacc atcctttgtc tccgttaaaa	300
gattttcatc catttattca aaaacctttt aagttcaact gtccaattta agacagagtg	360
aagacatttt tgagtatctg aactaagcat tgncttgact gaaacgaagt aagaactcaa	420
tgagagcctt gngggcctcc agtcatgcct tttccganat agggacttca tctttgngg	480
catagcctg ctatggctaa aagggncccc ttanggatga gttccaaatt tttcaggaan	540
ctgcn	545

<210> 6760

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6760

ctttctataa ccttgaaaga atacctgccc ttctctaaaa tgattcaact agggctgctt	60
accaggccca cagaaagccc tgctgccagc cggccttcaa aatggattaa ggatttggag	120
ttctcttcat ttctccactc acaggatcaa aggggtgcggg cgaggactgg gaagcggggg	180
aggaaatgca agatggaaca ggccccaagt ttttaactgg cataagagca actgtggttc	240
atcctagget cagctgagct gcaggagca ggcccccattg atctgtacag cctgtgccct	300
tgagaaataa acacaactgc cagaaagcag cagccttcag ctactgctaa tcccaggcta	360
caagacaagc aggaaatcag aggtgccctg tgatgngttt tccaaaaagc gtcagcaagt	420
acacagagca aggaggaagg ggacagtcca atgcaaatnc ccaattgggg ttcanaacag	480
ggattaaagc ttgaacccca gacagcccca accgagggcc cccaatgctc atcttagcct	540
tgantcctg	549

<210> 6761

<211> 428

<212> DNA

<213> Homo sapiens

<400> 6761

gaaagtttac atgtattctt taattctaga caccgnacaa cagngacaac caattacaat	60
aaaatcacaa ttgcttttag atgacagtac tticagattt ctaataccca attactttca	120
tttcacaaat gtcaactgca tgctgcattt tcatttctat agagcagaca agcttccaga	180
ctgcagacca agtttcttgg gtaataatac tactatcttg atcatgacca caggaaacca	240
attttatatt ccctgtacta tagagatgag acattatttg gtgtatatga aactcttcag	300
tggtggtgtt caagaatatt caaatagtag ctgaaaatag ggtttgctag agcagtcnc	360
atatttcatt aaaagaaaaa tgcccagtca aaacatttag aantaaatnt ntngnncagc	420
ctttccct	428

<210> 6762

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6762

```

gagaaggagt cttactctgt tgcccagggt ggagtgagc tgcacgatct cggctcactg   60
caacctctgc ctcccgggtc caagcaattc tcttgccctca gcctcctgag taggtgggat   120
tacagggtgca tgtcaccgca cccaactaat ttttgtatatt ttaggacaaa atttttgtat   180
atTTTTtgcA tgtTTTTtgt ataattttgt atttttgtat atttcacat gttgggtcagg   240
ctggtcccaa actcctgacc ttgtgatccg cctgcctcag tctcccaaag tgctgggact   300
acaggcatga gccaccacgc ctggcctaata atttttatac tatacaagta taaagtgtca   360
tacctatatg tgcattgtgt taaggataaa atgngatata ctgngtaaaa cacctgaaat   420
aataaatacc gggccttata catatttgac cttttgaatt aaaagacatg cttaaaaaaa   480
aaactgccgg gaattanacan gaaatagagc taccatcga tagnaattaaa gaagaaag   538
    
```

<210> 6763

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6763

```

gagacagagt ctactctgt cggccagggt ggaatgcaat agtgccatct cagctcactg   60
caacctccac ctcccagggt caagcaattc tcccacctca gcctcccgag tagctgggat   120
tacaggaacc ggccatcatg cccagctaata ttttgtgttt ttgtagagat ggagtttcac   180
catgttggcc aggttggtct tgaactcctg acctcaggtg atccacctgc ctcagcctcc   240
caaagtgttg ggattacagg cgtgagccac tgttcccggc aataatgcat atttttcaaa   300
aacagcattt aacagtgggc atctgacaaa tgtcagtttt cctttactgg gattttccac   360
atgatctgtg tattggtgag gagcctctta attgaaagtg acagaaaccc agcatgtagt   420
    
```

ancttaggca caaaccggat taatgggcn aggtaaggaa nggctaanag gaactggcta 480
tgaaggatgc tgaataggaa cttcctgntg gcagtacttn tggccccata cttgggggncc 540
ttcaacttcc aagg 554

<210> 6764

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6764

ggcatgaagg gcatgatagt ttatitttaa aaattgtacc aactgatca tgatgaccag 60
catacacatg ataatggctt ttctcttggg tttaacattg cagtagtttt gcatactgca 120
atgtttcaat aggaccaaga acgttagaga ataaagatct tagatgaaaa tgaacactaa 180
taattctagt gtcctcccc atagaattaa tgtaaattccc gtatgaatca gtggcattat 240
aatgttatgt ggttatgaag aatgaaattt ctcttagaag taggcagcat gaatttatac 300
ttacataagt ataacttata cttccttgta ctttcattct tagtttttat aatttaagct 360
atgtccaccc tggctaaagt acaatcatac aatatacctc agataatttc catgctacca 420
ttgccaagtt taagtgattt tactattaaa aaaaaaaaaa tccaaccacc atcaaaatta 480
agangccaat taaaggaant tttaaattcat ttggaaagca tngggcctaa ttggccaatc 540
ngactcaacc t 551

<210> 6765

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6765

gagacggagt cttactctgc tgcccagact ggagtgcagt ggcacgatct cagctcactg 60
caagctccac ctcttgggtt cagccattc tctgcctca gcctcctgag tagctgggac 120

tacaggcacc cgccaccaca cctggctaatt tttttgngtt tttagtagag acgggggtttc	180
agcgtgttag ccaggatggt cttgatctcc tgacctcatg atctgcccgc ctgggcctcc	240
caaagtgctg ggattacagg cgtgagccac cgcgcccaga tgacctaga atatgtttta	300
tttacctct cttacctgn atattaggag tgggaggcat agagatcagt tcaggttttg	360
ccaacagaca gaaccagggt cacacccgtc acttccacac actgggtgatg ngctcaagga	420
agctgcttat ctncattaa ggccatccat tcaactgcaa aatgggggat aataccctta	480
actgggctgg ttacaagttt taaatgnant aaaaaaaaaat agcctcgat ttgncataa	540
tac	543

<210> 6766

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6766

actgtaaatt aatggacatt ctgattttta tatcaagctc atgaactctg taaatatgaa	60
cctgagacaa aaattaggta actgtagaaa tactaggcta cagggtctat aagtttcaga	120
ctctttacta tggtaaacta ctaagaaatg caatctctat cctgagaggt cccitttagag	180
acagcaagtc tcctttaccc caagagagga gatacctcag tatcatcatt agcaatctct	240
tcctttttga aatctctaga gtagaaagaa gcaacaacga aatgacaaaa ttctaattct	300
gactctgctg tgctagcact taatcctaag caaattgctc tatctccctt ggtttcattt	360
ttcttatgtg taaaatagag aaactggctg gtgcagtggc tcacgcccg cctattatgc	420
tattcttgat gtgcatggat aactgaaagc agactacttt ctaaaaatat tacttgagtt	480
gattttttgg gggtttgatt ttagaccag tatnctaaaa ttttccttta agncctataa	540
accc	544

<210> 6767

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6767

aatggtaa	ac	acattaataa	cagtaacata	caggtaggt	caactgattc	aagaatttgg	120
ctgcgtgaaa	tcattaagga	aaaccttgaa	cactcaaagc	ttcaaagtga	tccagggaaa	180	
aaaaaattct	ttgacagtct	acataacaac	tattgcatat	atagtgatgc	tacctgtcac	240	
attgcaaggc	ttacaatat	atatatacgg	gccttatcca	gctgtggggt	tctgttctgt	300	
gagaacatct	cttcatgggt	tgcaagaatc	ttcagcaata	aaaaatagtc	ttggatttaa	360	
gcgctgatat	acctaaagag	aaattctagg	cttaagtgtg	aagaaaangg	aagtccaacc	420	
cttagtctca	tgtataacag	ttggttttaa	tctttcttnc	ttaaaaatcc	ttatcntaan	480	
ccattttggg	cataggcttt	ttttttttaa	acttgnctga	atagggccca	agncccttgg	540	
ctttataaga	acctttangt	cn				562	

<210> 6768

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6768

gtagagacag	gatatcccta	tgtagtcag	gctggctctc	tcaaagtcct	gggctcaagc	60	
aatcctccca	gccttccaaa	gtgctgggat	cataggcatg	agccattgta	cccagcccat	120	
tctctttttt	taatagaagc	ttattattcc	actggaaagc	tgtatcataa	tttatgtaac	180	
cagttatatt	tagattgttt	ggctcctttt	ttttttttaa	cagataatac	cataatgaca	240	
atctagtcca	tatgtttatt	tgcatgtaca	agagtatctg	taggataaat	tcccgggaagt	300	
ggaatttctg	gggcaaaaga	tatatatatg	caaagatat	tgccaaattg	aattccatac	360	
tttcaccaag	acagttttat	aattttatta	tttttgccag	ctcatagatt	ttaaaaaagg	420	
cttctcangg	gaagttttaa	tttgccattt	aattttgaag	tggantggag	aaatctttcc	480	
tatatattcaa	aggatgggta	aggtaatttt	taaaatttcc	atgggaaaaa	ttttaatcca	540	

cctttcctaa aaggggnngg tnaanctatt ttcttaattg ggggcc

586

<210> 6769

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6769

aagctctgtt ctgctggctg ctcaacgtga ttcaggccat tttgaataa atccctccgt 60
gtgccagcta tcacattcaa atttgaatcc taggatgtga aggccataat aaaagcagaa 120
aacacttttt cccaaaaacc acaataaata attttcaaac cagacattgt acaattttta 180
attatttttc aagtaaaatc tacctacatg gtaaatttca tttattcagg tgaaattaag 240
tctttgttgg tgagccttta gccacaagaa gagaaacaag taatacccaa gtgtagtagg 300
gaatagagta actttgtctc ccctaatagcc atgcccatta gctggggtaa gcctgacaat 360
gtcttgcccc ttaccatggg caagcccca ctcaggagcc cccgcctgc tccatcaagc 420
catgggtcat gccacaggc atgtccaatg tctggacccc atactgggct gaaaactggc 480
atcctgtgaa gaggaaggtc tgcnngtcat caaagtgggc aaccctttg agacagccat 540
ggagggtcag aat 553

<210> 6770

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6770

cttttttttt tttttttctg aggcagagtt ttgctcttgt tgcccaggct ggagtgcaat 60
ggcgcaatct cggtctctctg caacctccgc ctcccagggt caagccattc tctgcctta 120
gcctcccag tagctgggat tacaggcatg caccaccacg cccggctaata tttgtatttt 180
tagtagagac agtgtttctc catgttggtc aggctgggtc ggaactctcg acctcagggt 240

atccgcccgc ctcagcctcc caaagtgtg ggattacaga cgtgaaccac cgngtccggc 300
ccacaagcta aattttgaag tattagatcc tticttaaac ttttgctctt cggattgtca 360
atgtcaaaga tagtttccag ggggaccaa ttgggcccga aaactgggta ttaaaataaa 420
~~gccttaactt ttattggtgn gcatttcttt ctgaaaacaa ttttnactng nttaccgtgg 480~~
ttagnaataa taagcttctg gctattggaa ttttaaaact caaanttnt 529

<210> 6771

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6771

aagagacagc ctagctctgt caccaggcc gagtgcagtg ttgtgatcac agcgcaactac 60
aacctcaaaa tccgggactt aagtgatcct cctgcctcag cttgccaaac tgctaggatt 120
attgaggtga tgggtgcac tcaactccat ttttttcac agcctttttg tcaaggactg 180
atgagccctg ccttctggaa acattcttga taatcatgac attaattttc tgattcccct 240
ctaacctctg aactccccct tcacttttct aaagegcttt ctttctctgc taatctgtca 300
gggcccagaa acaaataaac aggagtccc attggagtgg tatgaaaaga gagatgcatt 360
tcagggaagg gtttagatac gtgaggtcca tagtggcttt actaagcatt aatgggtggt 420
gaaanggaga aagcaaagtc acaatccgat ncaaacttag aagaaaatcn tagttggtgg 480
attaacaagt tgtnggccct tgcaatgtac ccggaaaata atgccttact tccaaagcat 540
ggctttcaaa cctactt 557

<210> 6772

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6772

gagatggagt ctccctctgt caccaggct ggagtgcagt ggggctatct gggctcactg 60
 caacctgtac ctcccaggtt caagggattc tctgcctca acctcccaag tagctggaat 120
 tactggcatg caccaccatg ccctgctaata ttttatattt ttagtagaga cgaggtttca 180

 ccatgttgcc caggctgac tcaaaaacgt ccgcctcggc tcaagtata tgcctgcctt 240
 ggcctccca agtgctgaga ttacaggcgt gagcccttgt gccagccac ctttcttaac 300
 aaagtcaaaa aaaaatcttc cttcttagaa gtattgccca agataaaatg aacatcaagt 360
 ccatgtaaat taggctggtt tcaaacttgg ctaaagaaac tcttttctat ctttaatttt 420
 ctacgtgggt gacagaagga nggaaaaatg aanaaggaaa gcaagtgctt ggggtggtgng 480
 aaccttttgc ttttttttcc tggnaaaggc ttctgggggt tggggtcctt ggnctacctt 540
 ggangccnct gggggtaana ctt 563

<210> 6773

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6773

gagatggaga ctgcctctgt agcccaggct ggagtgcagt ggcatgatct tggctcaatg 60
 caacctctgc ctctgggtt caagcgattc tctgcctca gcctcctgag tggctgggac 120
 tacagggtga cgccagcaca cccggctaata ttttgtattc tgaatagaga cgggggtttca 180
 ccatattggt caggctgggt tcgaactcct gacctcaggc gatccgcctg cctcggcctc 240
 ccaaagtgat aggattacaa gaggtagcca cagcgcctgg cctggacatg gtggactttt 300
 gctatccaac atctatcttc ccattttctg atagaagcaa ccagttttg caaatgaaaa 360
 taacttatct ccataggctg ggttaaaca tttactcaaa ctgggacatt tgaaccgttt 420
 gnccatggaa tttgaatctc aagcngaaaa agaccgaaaa agggttgaag ttggcttata 480
 caccggggga cctnttcag aaatgtgggt ttaagntcct tcaacaagaa gcccaaanct 540
 ggccaanggt ccacct 556

<210> 6774

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6774

```

aagacagggt ctccactgt caccaggtt ggggcagtgg tgtaatcata gttcactgcg 60
ccccctgaact cctggcctca agcaatcctc ccaagtcagc ctccagagta gttgggacta 120
taggcacaca caaccacacc cggctaacac taggtatttc taacatactg atgcacattg 180
tttgaaaatt aatcttaggg ccgggcacag tggctcacac ctgtaatccc agcattctgg 240
ggggccgagg cgggtggatc acttgaggtc aggagtgcga gaccagcctg gccaacatgg 300
tgaaacccca tctctactaa aaatacaaaa attagtcggg catggtggca tgcacctgca 360
atcccagcta tctgagaggc agagacaggt gaaccagga ggcagatgtt gcagtgagct 420
gagattacac cactgnattc cagcctaagg ggacagaagc gaggactccg ncttnaaata 480
antaaataaa gtaagtaagt aagtaaactt tangaagttt ngctangcat tggaacttcc 540
gtctgng 547

```

<210> 6775

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6775

```

aagaaagatg atctcgctat gctgcctagg ctggccttga acccctgggc tcaagcaatc 60
ctgctacact atgaggagtt gcaaatacag gtatgtgccca ccacatccag cttcttaaaa 120
ttttaatctc ttttgcttac attatcaatc tgtttttgca tactgtctac tttttccctt 180
aaagccctca gcacgttaat catagtttta aaaaaatacc tggctctgatt actccaacac 240
tcctgccacg actgactctg gttctaatac ttgttcagtc tcttcaaact gcattttctg 300
ccttttaagt atgctttgta attttctgtt gataggtaga catgatacac tgggtaaaag 360
gaattgcagt aaacagggtt ttcacacctg tttcaggtgt tgggggtggga aaagtgttct 420

```

atgatactat gagcagggct caagtcttgc tgaacttgng tccctgggct atgaacttnc 480
 caagtgcitt tcaactttcc ccaactgcat taagggggac agaatatncn gaagtactag 540
 nggtanggat ttcc 554

<210> 6776

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6776

gagcctgttg cccaggctgg agtgcagtgg cgcgatcttg gctcactgca agctctgcct 60
 cctgggttca cgccattccc ctgcttcagc ctcccgagca gctgggacca caggcaccgc 120
 ccaccatgcc tggctaattt tttgtatatt tagtagaggc agggtttcac cgtgttagcc 180
 aggatagtct cgatctcctg acctagtgat ctgcccacct cgggctccca aagtgtctggg 240
 actacaggcg tgagataccg tgctcagcca tcaaaccat ctataaate aacagggtga 300
 cacagcgtaa gagggatggg gaagacttcc tcacacatgg accatacat ttattcattc 360
 aacaaaaacc tactgggcac attttatgtc aaagcacagt gcacaagctg tgaacaaggg 420
 anaaataate cttgctctat gggtaacaca gaccattntg aaangnctg acttggggna 480
 aggtntggat ctg 494

<210> 6777

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6777

gaaaccaggc tggagtgcag tggcatgac tcagctcact gcaacctcca ctctctggac 60
 tcaagcaate ctccacctc agcctcccaa gtaacaggaa ccacaggcac gtgccaccat 120
 gcttggctaa tttttgtgtg attttttttt tttttttgta gagacaaggt ttcaccatgc 180

tgcccaggat ggtctggaac tcctggcctc aggtgatctg cctacctcag tctcccaaag	240
tgtcgggatt ataggcatga gccacagttc ctggcccaaa ttcttttttc ccccccatag	300
aaagcagaaa aataatttat tccgaaagac ggcagaaata ataaattcat cctgaaaata	360
cagtaaggng taattctgtt gagacagctc ttcctctga aaatgctctc ctactgactg	420
nccactgga gtattacttg gcttgacga atttctaaac acttcattgg gtcccatgtg	480
aaaangcagg agccatnttt aaaagcccag atttcaaggn ggcngtacat atttttcaaa	540
aaagacaant ttttt	555

<210> 6778

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6778

gtagagatga ggtctcacia agttgccag gatggctcgc atctcctgac ctcgtgatcc	60
gcccgcctag gcctcccaaa gtgctgggat tacaggcgtg agccaccgcg cccggccggc	120
ttacatctta atgagccac agctgcctgt tgacctgggtg tcatcacgag ggtgatcact	180
atttccagca agctctttgt cctcaaagc ccagggatca ggggcagccc gtggaagacg	240
agccactggt tccagcgagg cacaaggaga gaggttaagc tgcttctacc ctgttcaact	300
gtgatgagat tccagtgaat atcagcattg agggcctcag gtgtttgcag ggggctctgg	360
tatgttagaa aaactagagg gaggggtctg cttttgtgtc tgnttgtgaa ccgtgtctac	420
tcaagtagga aaggggagca cagattttta caaatagat gtgggcnggt tcttignaact	480
ttgnctaact gaaaccatgt ttgnanana atacttgga ttacctata ngggctttg	539

<210> 6779

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6779

ggagacggag tcttgctctg tcaccaggct ggagtgcagt ggtgctcact gcaacctccg	60
cctcctgggt tcaagcaact ctcgtgcctc agcctcctgg gtagctgggt ttacaggcag	120
geaccatcac acccagctaa tttttgtatt tttagtagag ttgggatttc actatgttgg	180
ccaggatggg ctggatatcc tgacctcgta atctgctcac ctcagcctcc cattcatctc	240
tttatgtaat cactcaataa gcatttattc actgcctctt atatgtttca ggcaactgtgt	300
aaggggctaa ggattcaaaa tcaaataaac ctcttttcct gatattgggt ctttgtcttc	360
atacatttg cataactgtg gagatgaagt tttgtacat aaactgaaat gaantgggct	420
tcattataat gattggtaaa agggatgatg tttggcttct gataaactaa cttgagaaaa	480
acttgnacc tcactggnaa actctgactt ggngaactnt ttcctaangg gncctnaaag	540
ggggggccc	549

<210> 6780

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6780

gagatgcct caccctgtaa cccaggctga cagaagcagt ggcacaaaca cggtcactg	60
cagcctcgac ttcctgggct ccagcaatcc tccaacctca gcttcccaag tagctgggac	120
tacagaagca tgccaccatg ttaggctaatt ttttattttt ttagagaaa gagttttgcc	180
acgtttccca ggtcagactt gaactcctgg gctcaaacca tccacctgcc tcagcctcct	240
aaattgctgg gattgtaggc atgagccacc acacctggcc cattactaaa tttctgaact	300
gaagctttta gtccatttt tatgtgttag ggaaactgag tcttgagag actaagatac	360
atttcagtgg tcacaaaagc tcataagcaa actttagtag tgaggatctg aaattaaggg	420
tatctagctc tgacttacca cttnaccct tggnacctga ctnttaaaa ccttaaaggg	480
actttaagcc taatagtagc ccttaaattt tgggaaaaat ancagtttgg actggctggc	540
acgg	544

<210> 6781

<211> 536

<212> DNA

<213> ~~Homo sapiens~~

<400> 6781

```

aaattgttgg tagagacagg gtctctttat gttgccagg ctggtcttga attcctggcc 60
tcaagtgatc cttctacttc agccttttaa agtgctggga ttataggcat gagccaccaa 120
cccagctgct tgtaacattc ttgaaatgtt gactccattg gagtgaccag cagagcttgc 180
catgcctccc gatctgtact ctttgctgta gtttanatat ttgtccgctt caaatctcat 240
gttgaaatct gatccccagt gttggaagtc gggtttagtg ggagggtgtt ggatcataag 300
gatggatccc tcataaatag attaatgcc tgccatgggtg agagtagtga gtgagttctc 360
tattagtttt cccaagagct gggtttttta aagagcccgg ngcttcctc tctctcttgc 420
ttctctctca cctgngatc tctgnacaca ctggcttccc ttncctttg ccatgagtgg 480
aacaaccttc agccttanct gagnanaaac cggggctgat tttggacaag ccataa 536
    
```

<210> 6782

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6782

```

caataaataa ttccacttta atggcaaagt aataatttag acagatacag ggtgcacatt 60
tgcaaaaaaa tatatgcaag ctggtttaca agctagagga acaataaacc aatagaaaat 120
acatcatcca gttaagtcca ttgacaccaa gtacttattg ttggggcttt acaaagacta 180
caaaactttt cagatgattt atttactgt ttctgcctat ttacatgata tgttacatca 240
aaatgtacaa aatataaat gtatacagac aaatgtttca caaactagtt taagttgtaa 300
actaggtgga cctactgggg tgtattgcag gaaattctgt ttatgctcat gtttgactg 360
tgtttctcaa aatggcaggg aaagattagc aattttctta gatcacatat tatacaaggg 420
    
```

aaactagtca ctcatccagc tacatatatt ggatggttca caacagattt gaccatgggt 480
gangnttttaa aggcangggg acaattctat ggggcctnaa atcagtcgga ttccttang 540
gcaatagcnc cgggtang 558

<210> 6783

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6783

gtcttctct ttttttttt ttttttttg gagacaaggc cttgctctct caccagggt 60
ggagagcagc ggcattatca ctgctcactg caaactcaac tttctgggct caagccattc 120
tcccacctca nccccccagg taactgggac caaagacaca cattatcaca cctagctaaa 180
ttttttcata gagatggggg ttcgccatgt tgcctaggct ggtctcaaac tctcctgagc 240
tcaagtgacc tgcctgcctc agcctcctta agtgctagga ctatagggtg gagccaccat 300
aaccagcctc tatcatcttt taccctaaac tcccatgtaa taaatattgg atcttcttcc 360
tttattaagc atgcatgtgt ctaacctctc tggttttcca tcttccttct ctgggtccata 420
ttctgagtaa ttatttcgga tctatatttc aaatcactta atttctccta agctggttct 480
aaacagctac ttaacanttg cattaaaata atcctttaac ctctttttaa gcaactttat 540
tgggacaaac ntataaa 557

<210> 6784

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6784

aggctttttt ttttttttag agcagtttta ggttcacagc aaaagtgagt agaagtacag 60
agttcccaca cacctcctcc caccacacag gcacagggtc ccttactacc atcatcccac 120

atcagactgg tacatgtgta actgatgacc ctacacggac atgtcattat tgcttanagt 180
 tcatagtcca tacgagggtt cacacttcgg agtgcacatt ctgtgggtct ggacaagtgc 240
 acagtgacat gcatccgcca gtgtaatatc acacagagta gtttcaccgc cctgaaatcc 300

 tcctgttcc accttttcat ccctctgtcc tcccagcccc tggcaaccac tgacctttt 360
 actgnetcca tagttttaac ttttctagaa tgncatatag ttggaatcaa acaataggna 420
 gtcttttcag agtggcctct ttcacttaag taatatgcat ggaaagggtc tncatggctc 480
 tttngacct gatggctcaa ttaattctag nccinaaaaa aaatncatta agttttggct 540
 attencctac tggaaggact tnt 563

<210> 6785

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6785

gagacggagt ctactctgt cggccaggct ggagtgtgt ggcgatgatc ccgctcactg 60
 caagctccgc ctcccgggtt caggccattc tctgcctca gcctcccag tagctgggac 120
 tacaggcgcc cgccactgng ccagctaata tttctgnatt tttagtagan acgggggttc 180
 accgnggnet ccattctctg acctcgtgat ctgccacct nggcctccca aagngctggg 240
 attccattta aaggnatgca tttctgatac ngaaagagct ttctcatgan cctgaaacaa 300
 tgtaataacc atgcaatgnt atatcactga ttatgnttca ctaatgntgg ctgaaattgg 360
 ncaaaaagtt ttttggaat ccttacnaag atcaaatac taantcttct atggatcttt 420
 ctttttctct aaantttgaa taaatatcta aangcnaaga tgctgggcca ntgagggtta 480
 caagtctctt aatggaaggg gcttaaancn tnaa 514

<210> 6786

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6786

```

agtttcaaga tgtttatitt gaaaaacgtg cttgtttata tgtaagcatc ttcgtatcta 60
geagetaate agtattaatt cttcattgtc atatcttgta tgtaacggt acttagttga 120
taccaattct cttttggacc tcatgcccaa tacttttttt tttttaatt tccaactttt 180
atttaaagtt ctgggggtaca tgtgcaggaa gtgcaggttt gctacatagg caaatgtgtg 240
ccatggtggt ttgctccacc catcacctag gtattaagcc cagcatttat taggtattct 300
tcctgatgct ctccctcccc tcttccctc aacaggcccc agtgtgtgtt gttcccccat 360
gtgcccattg gttttctttg ntttaagttc tacttataag tgagaacatg cgggtgtttg 420
ttttctggtg ctgngttaag ttgctgagg ataacgagct anccatattt caagggtca 480
atactatggt ttgcttaang ctaacttaat gggnnagngc ttaaangac atttcatcaa 540
ngcaaaagt 549

```

<210> 6787

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6787

```

agagcagttt taggttcaca gcaaaagtga gtagaagtac agagttccca cacacctcct 60
cccaccacac aggcacaggg tcccttacta ccatcatccc acatcagact ggtacatgtg 120
taactgatga ccctacacgg acatgtcatt attgcttaga gttcatagtc catacgaggg 180
ttcacacttg ggggtgcaca ttctgtgggt ctggacaagt gcacagtac atgcatccgc 240
cagtgttaata tcacacagag tagtttcacc gccctgaaat cctccctgtt ccaccttttc 300
atccctctgt cctcccagcc cctggcaacc actgaccttt ttactgnctc catagtttta 360
acttttctag aatgtcatat agttggaatc aaacaatagg tagtcttttc agagtggcct 420
ctttcactta gtaatatgca tggaaggntt ctccatgnct ctttgtgacg tgatggctca 480
tttatttcta gccctaaata atattccatt aagttttggc tatnccctat tgaaggactt 540
tttgggtgct tncaan 556

```

<210> 6788

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6788

```

agtagagaca gcgtttcact atgttggcca ggctgggtctc caactcctga cattggctta   60
tgttcttttt aaaaagtttg atggtgagta gattttaatt aaatggtgct ttttattgaa  120
attttcttta aaaataaaaac tctgtatttg taatgtaagt caggagtaaa tacagatttt  180
ggataaatgt ctacacttcc taagtcaact ctcagagtca cttttaagat cactctagct  240
gtctggggta tccaacttgg gaaattcaga gcctcagtat ttagaaagaa aatccttcct  300
caactttaat ctgatgaaaa gttaaatttt ccttgaaagt cgatgatatg ccacaaagtt  360
aaatgcgcca tctggcaaaa ggcaaattag aacaggttca aaatttacia ctgnctacia  420
cattcaacta ttggtcaaaa atagaacctt attggcaatt ttgactttca caccacacga  480
atgtaccgga gaagttggna ttccccangg caattttttt ttttagcgcc aatgacaacn  540
ccattaccct aantttaag                                     559
    
```

<210> 6789

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6789

```

gagacagaat ctactctgt cgccaggctg gaggcagtg gcatggaatc tcagctcact   60
acaacctctg cctctcgat tcaagcaatc ctctgcctc agcctcccaa gtagctggga  120
ctacaggcac gtaccagcac atccagctaa tttttgtat ttttagtaga gacagggttt  180
caccatgttt gccagatggt ctgatctct tgacctcgtg atctgcccac ctcggcctcc  240
cgtagtgctg ggattacagg cgtgagccac tgcaaccagc cagaatttaa tattctttag  300
    
```

ctactttgac tctaagtctg aaaagaatca ttttagaacc tgcaaaggca caggaaataa 360
 ctaaaatccc caaggaaata tctaaaattg gcctttaagc agaagagtaa cataaacaat 420
 gctggcttct cctgattctt atctaagtca anggtttnc aacctttttt tctggctcta 480

 cctatttaca agtgcangct acttccatcn tggatatctt aancntttta tctccgnaa 540
 gccagggggc cta 553

<210> 6790

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6790

ganannagat ttegtctctg ttgcccaggc tggagtgcaa tggcgcgatc ttggctcact 60
 gccatctntg cctcccgggt tcaagcgatt ntcccgcctn ancctcccga gtagctggga 120
 ttacaggcat gcgccaccac gcccgntaa tttttggatt tttagtanan acagggtttc 180
 tccatgttat tcaggctggg ctggaactcc tgacctcacg ngatccgccc gcctnggcct 240
 cccaaagngc tgcgattaca ggcgtgaacc accgggcccc gcctaaatgg gcttttaaat 300
 aacgttttta tttcagtcaa naaatagngt ttggtatgtt tggcaggctc ttttttctcc 360
 tttagnctt tccttacaca ggngnttatt tttgctttgg ctttctcttg gaagttacaa 420
 tgctattttg naccttngcc accaaaacgt tttttccgg ctcatctttt atgaaggggn 480
 aanttttacn ggctgactcc attaaaggca ttttggcctc taattttnaa ctcn 534

<210> 6791

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6791

caaaagtcac caaggcaaaa aaagttgcaa gcaatcttgg ttactgagaa tagaagtgta 60

gtgaaatact aagtactatc cttggcttgg ggattaaacc tatataacaa aagtgaaaag 120
 gggtcatggt ctaagagaca cagaactatt ttagaagagt tcaagttcac atggtagtta 180
 cctctaggtt catcacactg caatggcaga acaggcttgc agatacagac atgaacaatg 240
~~caccgagaat ctggtattat caaggactgg gttgtaaagg catcattagt atatgtacag 300~~
 agcttcaatt ccctaggctt ttttaaagaa agtgggtattt ttatttattg gtcaactcag 360
 aaataatttc tcaaagtitta ttcagctttt aattaggaac ttataccaat ttttctaacc 420
 ctggggagaa aaccatnnga aaaaaaccca acctatattn caactggttt ttnaaagtcc 480
 accaantcaa ggtcacnttt tnggggcatt ttatttggaa tccgacttaa a 531

<210> 6792

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6792

gagcaacaga caggttttac attttatttc caggaaatga gatagtattt tcacaaagaa 60
 gaggtaagcc atcctctcaa aatagacact gccttcagag gcagccatgg ggtacacca 120
 acctatccaa aacaactgtc aacggaggtg tttccgaggt atcaagacag taacaacaac 180
 aacaaattaa aaaaaaacag aagagaactc aaataactct ttcgacatgt agtgaggcag 240
 agtctacgaa gtaccctgaa gcagttgggt gccgtgaatc ctggtgggtc ttcagccaat 300
 gatggcagca gggctggcca ccgtggaagg caagtgactg agggcttcct aactcaagtc 360
 tctgtccac aagacttctc agttgacctt cagagcagcg gagtcacggc tagagagaat 420
 cctccagacc atctcangct cgcactactg cagtctttca aatgccctta gagcacggct 480
 tnagaacaat ctctttgctt tcgttcctta atgagaacaa ttcggcggtc ttttactttt 540
 tgagctcaaa tanttaccat cttattaat 569

<210> 6793

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6793

aaggaaccaa caagaaaaca taagttgcat ttattcacgt ccacgccatc taaagctact	60
gtgtacagta atcaggactg gagaaggac gatttagtat ctaaaaacaa caaaaaaac	120
actgggacat gccccctgaa ttgcaagttg gagttcgtaa gaatctactt gctggcaagc	180
cggtttcctc cctgagaagc acacttcccg ctctcttctc tccttccagc atcttctgtc	240
cctctcagtt aaggcctgga cagtgtggga tgggtgtgca atctctctg cagagctgtc	300
agtcgcccgt gggctcgggc tgcgtgcact caggctcccg gtcgctgggc tctgcgctcc	360
gccgccgcag ctctccacc gtctgcagca gggccgaccg ctccagttct aaggtaagca	420
tggcctgctt cagcttgtc tactgntcan gagcttctca atgggnggcc tcaaggcttg	480
gacctaacca ttggcacct ggcaactggt caaggaggca aggtttggtt gcgnaactgc	540
tgtgggtttc tctna	555

<210> 6794

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6794

agacagagtc ttgctctggt gccaggctg gaatgtggtg gtgcaatctc tgctcactgc	60
aacctacacc tcccgggttc aagtgattct cctgcctcag cctcttaagc agctgggatt	120
acaggtgtgc aacaccatgc ctgcctaatt attgtatitt tagttagac ggggtttcaa	180
catgttgggc aggctggtct caaactcctg gcctcaagt atcctccac ctgagtttcc	240
caaagtgtg gaattacagg cttgagccac tgtgcccggc ctcatattt ccttcttatt	300
agttgctatt ttggttcagt ttgcaccact atagtcctct actagtacaa acattaagga	360
tgatcatggg aaaacagatt tggctggtta gcaaaaatat gataaaggca tatcaagtat	420
tagtttgtaa acttaaatta ttcttggtg ctacaaaaaa gaattacata cattcaggta	480
catattctga atctgacaaa aatatttaag atagctcgta atggaataag acattgaact	540

tcttattatc aaggttcntg aggnc

565

<210> 6795

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6795

atgtttaaaa ttaatgactt tattgacaca aactttgcaa tgaaaagtgg tatectaata 60
 ggatagtaag gattagtttc tgtctcatac atacatgaaa aagtagccag atgcattttt 120
 agtcacatgg ttttaacttct ggttgctgtc tccgtgaaat ccagattgtt ctggggaggg 180
 ccagatcatg tgccctgcat ttccttctcc cctgtaagtg agaaagtgtt tctatataaa 240
 acagagacac tttcttaagg tgataaattc caaacaacat gcagcagtga actgatgcag 300
 aaacaaagct gtaaagagaa gccacaaagc acatccccag ggagaaagag cccttgaact 360
 tgcaggatca ctgccaacct ttggcagctg ggggctcctg ctgagtaatg ncagtggggg 420
 acatatgaat cacaggtttt cctttaatct tataatggta aaaccatttt taanaccnta 480
 aggtinctaaa agcctttntt caagaatccc naatgatgaa ggttanaaaa cnt 534

<210> 6796

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6796

gtttcattct tctggtaact cattttgatt atttccttct ttaacaaaag tattggctctg 60
 caatgaattg ggagggagag gggaggaact agttcttcac tatagacaaa tgtcagttta 120
 gaagatctat gctgttttgt ttgggaaatg aaaggttttg gctacattta ttgtttgaat 180
 ttggaggggac agagagatta ctagggacta gagtggtttg agcaggattt atggaacaag 240
 tgtgacttca cattgttaca aattataggt gaagaatgaa ggaacattcc aggatcaagt 300

ttcctaaaat ttggaaataa actgtggaaa ttctcctaag gtttgtatct ttcttgtctg 360
aatctaagaa tctttttcta ttatgatgag tgagatcagg aaatgaatta aaatatttta 420
atttcctcct tggttttgaa gttctttaaa gaagggattt agaatttaaa tagtatgggt 480
attagtatct ttgagtgaag gagaaaccgt aattaaatgg ctctcattt ttaaaatagg 540
gagaaaagct tcttcnctt aa 562

<210> 6797

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6797

gagacagggt cttgctctgt caccagggt ggagtgcagt ggtgtgatct tggctctaca 60
acctccgcct cctgcgctca agcaatcctc ccacctcagc ctcttgagta gccaggacta 120
caggcatgcc ccaccacacc cagctaattt ctgtattttt gtagagacag ggttttgtca 180
tgttgcccag gctgggtctcg aactcctgag ctcaagcaat gtgcccgcct cggcctccca 240
aagtgctacg atcacaggcg agaggcactg caccagccc atggtttcct aacactgcct 300
cactttgatc ttgtgtgaaa ttgtgactca gtgctgagct ttagaccag ataatgttg 360
agggggaata cagaggagaa ttgaccttc tgaacagctc aacctagttt ctaaaggcaa 420
gattttactc cagcgacatg tactggtgac catgatgtca ctctgtgagc tggcctacca 480
gtaaccaac caacgctnag gaaggaganc attttccacc aacagnacac actatggntt 540
ggggnggccca atgatgggcn ccca 564

<210> 6798

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6798

ggaaagaggg tcttattctg tcaccagcaggc tggagtgcag tgggtgtggc ttggctcact 60
gcagcctcag gcaatcttcc tgcctcaacg tgccaagtag ctgtaactac aggtgcgcac 120
caccactcat ggctgtatatt tttcataga gatggggctc cctgtgttg cccaggctgg 180
~~tetecaaact cctgggctca agcgtatcct ttgccttggc tcccccaagt gttgggatta 240~~
caggcgtgag ccaccatgcc cggccagcat ttttttttt ttttttgga gagagacaca 300
agattattct aaaatgtata tggaaagcaa ttccaaaaa gaagagtaga ggaattgccc 360
ttcctgatgt tgagaaccgt acagctacag cacagcgta tacggctcct acgtcagaca 420
gacatggctg gggcancgct ggangggaaa tgtgganacc acanaacaga acagaggaac 480
tcnaagagac cncagacgct tcagnca 508

<210> 6799

<211> 227

<212> DNA

<213> Homo sapiens

<400> 6799

aagacagagt ctcgctctgt caccagcaggc ggagtgcagt ggtgcgatct ctgctcactg 60
cagcctccgc ctcccgggtt caagcgattc tctgcctca gcctcctgag tagctgggac 120
tacaggcgcg tgccactatg cctggccaat tttttgtatt tttagtagag acgggggttc 180
accatgntan ccangatggn ctccatntcc tgacttngcn atccacc 227

<210> 6800

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6800

actttgcttt aagttctggg atacatgtgc agaacgtgca ggtttgttac agaggtatac 60
atgtgccatg gtgctgttat tgttattgtt tatgaaccta tcactccta ctactgtctg 120

atatgtctct gtaggccccca tgaccctagc aaaatgacta cacatagtag gtttttccat 180
 gaatgcttaa gagatgactg agcctactgt ctccagccta acttccctat ttaagagctg 240
 aaaaaatcag attttttaaa agtttcattc catttaagag ttaaaccatt tttcttattt 300

 agtgccagat tttaccttag catatatgac atgatgttgg atacaccaca gttccatttc 360
 tttacctaca aatcatagtt ctgggaaaat gagaaatgtc tgctgtaggc acttattcaa 420
 gtactgcaag tcatgtgccg gactaaggca aacatgactc ggaatctgac gcttgaccta 480
 aggacagntt tcaaggctta catgacctac acacgaacnt aangntggct ttncatttaa 540
 atgccngtag tccnaaacac 560

<210> 6801

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6801

aaatttaaaa tgtcttttatt catttacatg gtatatatca ccctctacaa aaaaaaatga 60
 cacttgtctt tcaatctgtc aagcttagct aaaaaattca cgtatctctt ttctatatca 120
 catattgaca tgatatagga tgcaagatat aaatatcaat ttaatagaca ttattaaata 180
 attttacact tagtagaatc ttggataaat gggttaaaatt atagattgac attaaagtgt 240
 gggcacagga atattctgtg tataccaatg gggttaacag aagatgtgtt tgcactgatt 300
 tctggtcac c aacttgcctt ccgtgaatct ttaaataccc aattccaaat cttccagctc 360
 ctggagaagg gctgtttctt tctgaatttt ctccaactga tttttttcta gctgttttcc 420
 agttgctgct tggctcttca agttgttcga ttgctttcag tttcttcttt aaggctttga 480
 ttttttggt atctcagggt cccagaaatg gctgganaaa acagngtttc gngggggctc 540
 tgtggggcag a 551

<210> 6802

<211> 517

<212> DNA

<213> Homo sapiens

<400> 6802

aaatttaaag gagtttaatt gagcaatgaa tgatttgcac atcgggcagc ccccagaatt	60
acagcagatt cagagagact ccagtgcagc cacgtggtgg aagatttata gacaaaaaaaa	120
gggaagttag gtagagaaac acctggatta gttacagggtt ggcatttgcc ctatttacac	180
acagtttgaa cattcagcag tgtatgagtg attgaagtac ggctgctggg actggccgag	240
actcagcaat tgtgacaggt acatactcct aatttagggtt ttcaatcttg tctacctatt	300
aagttaggct cagtttggtc acagggactc caatacagaa gtacggagtc cttctcaggc	360
catatttagt tcgctttaac aattccccct ttttggtcat tttatcagtt ttgagagatt	420
gatccgaaac ttggagttat tgatgccctg tcacatggg cttgnaaccc cctnngaaca	480
naacagtga gttttgcaaa ggtnggacca nggnctg	517

<210> 6803

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6803

caacaaacaa agttttctcg cttctgccac aatagtaaaa ccatctgac ttgacaagat	60
aatggtgtcg ttgactttgc tttttcttg tccgttggac aaaattggcc aagaatataa	120
ttggactggt atggccaata aaaacgaagt ttaggtcaag tctgtcagg atagcctgac	180
taaaaacatc tggctcctta atttaaaata gttcagacaa ccagattctt gctgtgtttt	240
atgttagggt aacacgctga actttaagaa gctgtagact gcagtttggt gttatgagac	300
ctgctagctt tgaagccttt caatttctgt acaaagaatg attcgagaac ttctgcacac	360
tggtaaaatg gggagtcgct tggatttag taacgacagt tatcaaaaat tttggtcata	420
tctgccacaa attccgtcag cttttcataa tatcgncttt ggactcttcc ttccatgggtg	480
gcaagggtcca tanggtcctt aataccnccn taataatctg gngcatcatt aggggctact	540
gggtcaagga aaggcc	556

<210> 6804 .

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6804

```

agtcgtagta aaatacacat aacataaaat gtactatctt agccattttt aagtgtacag   60
ttaagtacct tcactttggt gtaccactat cactactatc tctagaagtc cttagaagaa  120
ctgacctaca gacacttttt agaaaaaagt attactagaa aggaacctga acgtacaata  180
gtgtcttctt ggggaccatg gattcccttg agactccagt gaatgcttg gacactctac  240
ccagataaac tcacaatcaa atacttgctt ataatttcaa aggatcctat gaccctctgg  300
agtccatcca accatgatta catcctatga actgagctgc cctccagag tcaccactgc  360
aactgcccac cccccagcag tcgccaggca cagggtccg gaaatgggca ggcagatcca  420
cttcagcgtt gcatatttnc aagacaggat gaccctcatt tccatcacag gttgnanggc  480
cttgtggcaa ggaggaatgg ctgggcttgg ttaaaggga agtcncagga aagaaagang  540
ggtccttgca gttnaaa                                     557
    
```

<210> 6805

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6805

```

gagacggagt ctcgctctgt ctcaaaaaaa caaacccctc tttaattccc aaattgattt   60
accatggaac tctttttaat gnaattataa tacaattaac atccacaaaa ttagagatct  120
aaggaaaaca ctaccctaac caaaaggcca caaatgtat tcacagtaac agcttccact  180
tactgggttt tcttgccagg catggggtaa aatagtttat acgcatcatc ttatttaatc  240
ctcagaataa ctcaataagg atggtattac taactcccat tttaaagagg aggaaactga  300
    
```

cacttaggaa ggntaaatac ttgccccaaa gtttcctagc aacccaaatc ctgtcttaac 360
cacgatgctt caacagtcaa ctttccaatt ttignacngn tttatgact tttggcctct 420
atcacttatt tcttgatgan ggtaatggnt cttctagggt tttccccagg ctttaacatt 480
~~tgccctggc agataaaccc ctggcttaag nggatanttg nacctggggg caaaaccaa~~ 540
a 541

<210> 6806

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6806

aagagatagg gtcttgctcg gttgctcagg ctggagtga gtggcacaat aatagcccac 60
tgccctctag aactcctggg atcaagcaat cttcacacct cagcctcctg actagctggg 120
actacaatac acgtatggcc accacatgtg gctttttttt tttttttttt tttttttana 180
aatgaggctt cgcttttttg tcccgctgg tctggtactc ttggactcaa gtgactctat 240
ttgtactccc aaagcactgg gattacctta tttcctanaa agttggcaga actttttaaa 300
tagacattca taaatgtata ctcttacaca tttcactgtg cttttgagta gtgaaataca 360
atatgtaact tcctatattt agaaatgttt tcaattcaag taaattaaac atttaacatt 420
tggtagcatc acgtataatt tnaataaata attacnttat ttgctggaaa taaatcaatt 480
ttcaccaagg ttaaagactt aaactggaaa ggggttcttc atccacactt tgcatatgct 540
gcagc 545

<210> 6807

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6807

aattaaggct ttcagacct atctagccat gaccaaaggc caaactccac agctttgtac 60
 aactgaagct cagcagacct ttctggactt tctccactg ctctgttct atagccagtt 120
 gctgtgttca ccaaacttgc ctgaccttc ctctctctgt gctttcactc actctctcc 180
 tattttaata ctcatctcca gcctgcagca cccagggcag tacaccttca catgaggaaa 240
 atttacctat ctttctacgc tgagttaaaa ttcttcttt tatgaaactt cctgaagtc 300
 taccagcatg acattccttc tctttcctaa gtccctattg ctcttctgcc catccacac 360
 atttggcacc tagtcacaag ttgctttgtg atatttcatg tattactcta tttattatgt 420
 ataagtctaa ttttccatt tggagatatt taccctttat gtttcaagaa tgatttgaca 480
 caacttactt aaagtataaa aaccaacaaa atcagacctt ccaaggtaac agtaaacttt 540
 ctaagggtaa n 551

<210> 6808

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6808

gccttaaagt gtgggctctg agtctgatgt cactcagatt gaaggcagag tctctgattg 60
 aaagcacaat cctactagga ttggtagggg gcaaggagag ggaaatcaag atgtttttca 120
 atgctctttt tatttgaaaa atttagcat agactttttg ctcatctcaa atctgggtcca 180
 tctacaacga agttaaacta attcctccaa gggactgaca cacttcatat tgataacctt 240
 aatttttaag aatatttatg aatatatact tcttgtgtgt gtctgtatat atctgtatat 300
 aatattttta aagggaattc ctgtaaagga gataattcag gaagttagct aattgccatt 360
 atagtccaac aacctttaag catttacctt tgcctctctg tgtcttagac atttataaag 420
 tgtatacttg tcttatgaac tatttaaagt tgtcaggatg aaataaaatt accgtgcaaa 480
 aatttcaaaa agtaaaggcc ctaaataaaa aggaagncta tcanttaaatt gcttcatatc 540
 tgnttca 547

<210> 6809

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6809

```

gaaaagatga aagctgaaaa aagttaggtt tgggtgtaggt tacaccatgg atgttggtgc   60
ctcctactgg tcctaacaaa aatataagtg gtaccagcag gcactacttc gcataccaat  120
gtgaagtaaa aattcccttt catctgtggt caagtatgga aaaattatga aggtcctcat  180
taaateccaca ttttttaacc cattaaatta tccttataaa aattcagata aactactgtc  240
ataaatgcaa ctgcactgcc tcaaggacct aaaaactggt ttcctaataca actagatggc  300
ataatcaggt aacagcagaa acagatagtc tagtgaattt ccgagagtca aaatatgcta  360
ctttgatgct tattaacac tgaaaacttt cacaatacta actccagtta agttggtgag  420
gttaaaaatg actaaactaa aaataatggt caattaaaac atccacagg gatctactgn  480
aaataatagc tgcaaccaag ttctggtacc tcaagacttg aagnccnaag atttccccag  540
tagnggctt ataaagnaat nttttg                                         566

```

<210> 6810

<211> 510

<212> DNA

<213> Homo sapiens

<400> 6810

```

gtgtgtgaat ctctttattg ttctctcca gagccctgc agcaggggag gggagggcgt   60
ggggaggtgg gcgcccctcc caccagcctg anaccgtct ctgcctctct cctctcctct  120
cttctccanc atctcaccca ctttctctcc ttctcaatct cctgctccca cctccagcac  180
cttcggggat tccctcttgc agcccctgct ttctaantcc accctgggct ggggaaagga  240
aagtaagaga ccacggggac aatttcaagc cccccagtct ccacaggggc tantccccct  300
ggctacctgc ctggctttct ctctcctggg ctaggggctg gggaggtctg cgngctcan  360
tcctggccct gcantatccc aacaccctgc tctggggctg tctccacagc caaaggctaa  420

```

tgccnaggt cacanaagtg cnanggacaa gggccaccgn tccccgctgg gctcatccan 480
cacaagancc agcttactca cttgccaaca 510

<210> 6811

<211> 466

<212> DNA

<213> Homo sapiens

<400> 6811

gatacaggat cttggccggg cgcggtggct cagccttca acttttctgt aaacctaata 60
ttattccaaa acccaaagta tattaaga tgagattcca ccagtgcact ctgggtaaca 120
gagcgagacc ctctctcaaa aaaccaaaca aatgcagtgt ggttgctgga tgggggtcca 180
gaacagaaag ggcacgcatg ggaaagccac agtccttcagt tagtgtggtc tgcagagtgt 240
cccaatgtgg ctctgtgact gtgacacata acaccacagt gaagaacagt gaccacacca 300
agggaggcca gtgcagggtc cacggggact acactgtgtc tgctacttct ttttttcttt 360
ttgatacagg atcttggccg ggccgcggtg ggctcacgcc tgtaatccca gcactttggg 420
aggcngaggc aggcngatca cctgnnntcg agatttcaac aanant 466

<210> 6812

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6812

aatgccagta ccatgttatt ttaggtatta gagctttgta gtaaattttg aagtctggta 60
gtgtgatgct tccagccctg ttctttttgc tcagggttgc tttggctatt tggggctttt 120
atggttctgt atatatttta gaatgatgcc ctttgtgttt gatccacaaa aaggagagaca 180
tccagagctg aagagttttc cctgagaatt ttgtcaagag ctagaagaga aagggaaga 240
agtacatgaa caactgcata tggatgatatt cactcttaag tctgctatac agaaatttaa 300

ggggtggggg gcggtgggta tagtgtggag ccaggaaccc aaggaagcct atccatagtt 360
ccacatcgct gatgtaattc ttagtatatg gacacttgaa caattcaata tattaataag 420
tctaaatttc tatctggaca aagggtctgg ggtaaggagc tgggggtatt ttggttcctt 480

atatgttgcc gggaagtcag ggaccccaaa tgganggacc ggttggaacc ntggcnnagg 540
aacctaaatt ggggaanatt tcttgg 566

<210> 6813

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6813

cagaaacaac acatttctcg agtttttatt aactattgaa tactacaata tgatttacat 60
ttttttgagt gttatattta aaatgagggtt tcctattaaa ttaaacaac attaaaacat 120
gaaagcaggt cagaaaggag ccattggaac tatgttgaca acagcaccac atctcctact 180
gttgtttcgg agtcctgact gtggttagaa ctgataccag tgtccgagtc tgtgtcattt 240
gtgtaattgc taaatactct ttgagtaaag ggaggaatct cccattgct actgggaacc 300
tcagattcct tcgctctgtt ttcctttaac tggcacccat cttgttgct aatgtgaagt 360
gaattgaatt ccttggccag gagttcatat tcttttgctt tcactgaag caatgagtca 420
ctgtatttaa tctctttctg gatgccactc aaatgagagt gaattttcaa accagctttc 480
atgcttttct ccaaatacaca cttaacactc tctaaattag agctttncag tcacttgcag 540
ctttcccttt cgcatnttt 559

<210> 6814

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6814

ggtacagatt aggtctcact atgatgccca gactgggctc gaactcgtgg gctcaagcaa 60
gccttccatc tcagcttccc aaagtgttgg aattataggc atgagccacc aggcctgctc 120
cctggtcctt ttaagcatat gggttttcaa atatgttaga gcacctaaga tataaaataa 180
taagatacaa aaaataatac atagctctta gctagatcat ctttaattgaa aacttactgt 240
gtgtgtgcta gacaccattt ttaaattctt ttctttttta acttgnnttt ttttgagaca 300
aggtcttgct ctgtcttcca ggctggaggg cagtgggtgca atcagagatc actgcagcct 360
ctaactccta ggctgaaatg atcctcttgc ctcaaccttc ccagtagctg gggactacag 420
gcacacacga ccacacccaa ctaaattttt aatttttttg taccgaagg gnccttgctat 480
gttgaccagc ttgggcttga gctcctaacc tcaagggatc ttctacctta agccttccaa 540
gggttggaac acaaatgggc 560

<210> 6815

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6815

catttaaaaa aaagaaacct taaagtatct tgggctggct tttccacaca cacagctgga 60
gctactgtcc caggggatct gtctccaacc tctgtcaca caccacctct catgaagcga 120
actccttctt gaagctcggg atcgaattat aatcctgtga gcaatcatta ggtgcataag 180
aacttgtgtt tctctgtctc aggtgcactc tcagccctgt gagagatgag taggatctgg 240
agtccagaag atcttggatc atttactgaa ctcttttagg tacacaattt ccttcaatcc 300
cttcaacaac tgtccccgtt tgatgagaaa ctaaagctca caagaggtaa gaggctgagc 360
tggggacctc aaggcctggt actgtcctgt tctaagccaa atgaactggg gtgaactgcc 420
tttctgctca tgcctgtagt gtgcagcaaa tgggggctgc tcaaagcagg aaccccggta 480
aagtgggaac catgggtatc ccgggcttca anttcccacc caacctgggc ttttttggcc 540
aggtccttcc aacccccaaa tggct 565

<210> 6816

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6816

```

aaataaagaa aaacctttcc atccaacttg aagaaaaatc agaaagtatt tttctccatg   60
gaccattatt ctatttgaac ctaacctgaa ttccctcata gtcaaacct gccatgatga  120
tgtgaattca tttccgcata gtcggaataa tttttgctcc aaattcttaa aggagacaat  180
gaattagtag cttgtaaatt ttgcagatct gggccttcaa taacttagta gaaggcaata  240
aaatagaggg aaaaatggga ctgtggatta caactgttca aatttcatct taatttcttc  300
tatttttctc aaccatattt cttctatttt tacaatcatt attaaaatat ttccctaaag  360
aaatacaaat gggtaaaggt attgaaagtc acatttcttt atctgaacaa gtattaagat  420
tgtccatcat ttcaagacaa aggttttctt aacagtgaaa atcacaggaa gaaagtaatc  480
aggtantttc atagatccaa ttatatggna gctgnctggt tttcacattt caaaataagt  540
cgtataggat aaccaaggtt a                                         561

```

<210> 6817

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6817

```

aaaaagacgg ggtctcgcta tgttgcccag gctggtctca agctcctggg ctcaagcgat   60
ctgcctgtct cagcctccca aagtgctgag attataggca tgagccacca tgcccagcca  120
tgtaatcgct ctatcaaact actacttact gtggaaaggg acctctcaat ataactggga  180
agctcatctt ccctaaaatt cccttgttcc tactagccat tagattttat ttttctcctt  240
tactaacagc atttcttagg ttctgcccac ctttatagct ttatagaact ccaaaccact  300
tgacctctta gaagtacagc tctgttattg atattttgaa aatgatcaga taaaatcaga  360
agaagcaaaa gcataatata gtccaaggtg tttcctgngt agtttcctaa actcagaaca  420

```

acacaggaaa gtttccctct cttcactaaa atccangcct tcactctatc ttgcanggag 480
gaggacancc tcagttggat agtaaaaaaa gctttancct cantttggnc ccttancatt 540
agctaa 546

<210> 6818

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6818

ccatttattt cttcttcccc ctatttcttc acaaccttct agaatgagtc tccttaaaaa 60
tgtggatcct aaccttctag gaataaacta tcctaattgtt gaaagattag ggaaaaaata 120
taaccaaaca ctcattttct tctaaaatgc tttctctgaa atattttgaa gaacaaggaa 180
aataaaatct taggatccaa aactcactat gccaaaggaa aagtcaggaa ctgagtcatg 240
ctaatactac cttccttttg ttcccaaaga gacagctgta attcacaag ttgcctatc 300
ttaggtaaaa tgtagatcta ccacgcacaa gacaaatgca caatcaactt tttctccatt 360
cctctttaca catgcaacat ctggatgcag tgagtgctaa tccaggcctc ataagggatg 420
tcttccctca ctgnctttcc tccctttctt tctcctccat ctacttctgg ctgggctcac 480
ccctataaat atnggagtca gcaaaacctt tttggaaaaa gcncaggccc aaancctact 540
gngacttggg gtctttatcct taacttggga aaaa 574

<210> 6819

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6819

ggtattgaaa cttaaaaagg gattagaatt gcatttttaa aaactgttca ataatggaag 60
tttcaatatc agcttaggga aacaagtttt gggggtgtac catttaattt acgtgaataa 120

gttatgtatg gaagaatgta tgtaactct ttcaggacat aagcccaaaa gtcaacagaa 180
 atttgaattt tttttttcta ttttcatgct gaaatttaat tcatcatgaa tttgtttcca 240
 agggtgaaat tttctttcct caactttttac atgactttgt aataagagca gttgtacggg 300
 ctcacaaaaa taaaagacgg atgatggagt agagatgttc agtgtaaata tttagtacag 360
 gggctggcgg cttttaaatt tgcattctga gctgantgna tctgctgatt tcccatctgc 420
 taatattttc ccatctgcta aaacctgntt ccangggaaa aaggcctctc tggctttctg 480
 gcctggttta accctcatgg ncccccttan ccggaccttg gnaanaactn c 531

<210> 6820

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6820

gagacggagt ttccctcttg ttgccaggc tggaaatggc gcgatctcgg ctcacagcaa 60
 cctccgcctc ccggattcaa gcgattctcc tgcttcagcc tcccagtag ctgggattac 120
 aggcattgcac caccatgcct ggctaacttt gtatttctag tagagatggg gtttctccat 180
 gttggtcagg ccggtcttga actcccgacc ccaggcgatc cacctgcctt ggcctcccaa 240
 agtactggga ttagatagta gataggcgtg aaccaccgcg cccagcctat ctaccctcta 300
 attcttaatt cataaaacat gaatctcttc aaaataaaag tattccatta aagttcaaca 360
 aaggctcttt acctaagcta aactgactga ccacagtcga caatcttagc taccacctat 420
 gggacattta atatgagctc tgcgttggtg attactttta tcgctaagct ggtattacaa 480
 aattctatga gacaagttaa ctaacccttt tactgngaaa aaaccttggc taaccaagat 540
 aactggctcc aaaagcnaaa atgcgggaaa 570

<210> 6821

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6821

cagaggtcaa aagtttaata catacaagca aatccccaca cactgttcat caggagtc	60
tttgttctgg aaggttaaagt tttctctttg ngtcctttat agtaacttgt aaaagaattt	120
gttatagggt ctacattttt gtcaaagtgt gtcacaaaga tttaacgata taaggaacaa	180
tggtactctt gtatgtttgt tgaaattctt caccttattc aagtacaaat ctattgaaaa	240
atagaaaaac taccaagtc attatgccga ataataataa acaacagggt ttatctaatt	300
cttaatcctg agcaaaatac attgaggaag actttctgag aggactggga aataaaggag	360
agaaacagat aaaactcaaa cgaggtgatt aaaaagaccc caacaggtaa gttttactgg	420
ctagaatgct ttcctttgca ttggcacttt tcagaaaggg gggatttcct cagacctcgg	480
agagggtttc cagtanccta agcggtcatt taanggttg caatgacctg nggaaatttt	540
ncatnttacc cgcagccttg gccgggtact ggaaggcaat gnc	583

<210> 6822

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6822

attcaaataa cagaggaatg aatttttctc agagaaaaga aggaagatga aaggaggaat	60
taggttgaga cgagagagcg tggaatgaga gaggaagggt tcaattaaaa aaatgaaccc	120
cactgcatcc ccctcttgac aggtgggggt agtggagctg acagccgtcg cattagctgg	180
ctttggtgga accctcatgc cttgtggttc ccccgagctc aaaaagagt attccagggc	240
cagcggacac actcacacat ttttacttgg tgttccaatg cctccccgc agctatttct	300
aataatggta attataatga tttgaggctt aagcagggca attccggcct gaaggcagat	360
tgtaatgaag tagtcagggt gaagggaggg gagaggggct gcagtgggaa gaggctggat	420
ggggcacttt caggccttca atagctttgn ctagtcaagt gcaaccagga tggcctcatc	480
ttttgagccc aacgntttga cttgcaggat attcagaagc ccgtttctgc ttggaaatgg	540
aggattgctc acattcattg accagcccca tggcct	576

<210> 6823

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6823

gtttttttgt ttttaataa cccactcaca ttaacaaaag actgcagtag cttccaaatt 60
 ataggttggt attttttagtg gaagtagttc aatattcata ttggagcaga ttagcagtt 120
 taacaaaaca gctcttcaaa tcccgacaaa attgaaaaca ggaaaactga ttgcattttc 180
 tcttactact ttccttttct gaattgacac ttttggcctt ctgaaaattt acacatggct 240
 ttcatctcaa cagcacctgc tgatcaaaca gaaacctaac attttcatga aaattgtata 300
 aaggactagt tttgttctaa acactgtaaa gggcatcagt tgcctacttg atggcaacaa 360
 ttgtcatgta taagtcatag tcaaaataga tttatatatt cataaatttc tttaacataa 420
 aaatatgtta agtcccttct ggnttttttt tttcatattc actctctgga tgggtcaaatt 480
 ttctttgact caatggctgg ctaangctta aatttggtat ttaaaggact ntgccaatg 540
 tgtgaaaagg naaattcccc caggataacc aatcct 576

<210> 6824

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6824

gagacggagt ctcactctgt cccaagctg gagtgcagtg gtgcaatctc agtcactgc 60
 aacctccgcc tcccagggtc aagtgattct cttgcctcag cctcctgagt agctgggact 120
 acagggtcac gccaccatgc ccagctaatt tttgtatttt tagtagagac agggatttca 180
 ccatgttggc caggatggtc ttgatctctt gaccttgtga tccacctgcc tcagcctccc 240
 aaagtgtgg gattacaggc gtgagccacc acatccggcc agttagtatt ctttttacct 300

tctaaatact tctttttaaa accacctatt tcttgactct agtttctctt ccccatcctc 360
 accctcgcag tcttaattta ggcctcattg tccttgcctg aactgctgca acggccatct 420
 gactggcttc atgcttcaga attcataccc tggaatncac ctttcccact gntgatagaa 480
 ggatttgnet aaaacacaaa ctgatcagac agnttnaatn cnaaaggcat tccccatt 538

<210> 6825

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6825

gccctccctc tcctgaccaa ccagatccaa ataaccttta ctggctgcta aatttctctt 60
 gagaaatcaa gcaactctct agaattgcag taataaacga caatttctta gaaaaacatg 120
 tgtaaagtaa ctacagaatg aagtattcaa cccacagaaa ggaactgcta acacatgtaa 180
 cacggaaaat agctgataaa agtctctttg gtgccattca attatggcat ccgcagaaac 240
 acaaaaatcc tcccaattat tttagtaaaa tcttcattta ttcattattt cagaggctga 300
 gcaaatggtt tgtgtaaaca tatcctttgg taacacgcgc atgtttattt tagccatctg 360
 aagacttctt ctatgtttac ataagccatc agacacatac aaccactcac ttggtggctt 420
 tgcgttttct tgaaanggtt gaaggagag aagagagaat ggaaccatta aatcagggtc 480
 tcttttgcac aaagccttcc tttaaagggt taaaaaagct tatgttaaaa tatctnggat 540
 gggccttaag tttcttttta attcaanaa 569

<210> 6826

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6826

caaatgaaag tatatttatt tttataaatg tttcctccag taagtttatg tttgactgta 60

<213> Homo sapiens

<400> 6828

```

aacatgattt gttttacttc ataaattggc aatacaagtg ctaggatgac aaagatctat 60
tcttcatgat catgcaatga acagcagtta gtcaatgttc aatttttctc tacttcaaac 120
ttaatagtcc caatcgagaa tgtaattttc aaattagatt aaaaatggcc ctggtccttg 180
gagaaaaggc tgattctagg acaaggggcat gaaatataca agatgaactt gaagcatctt 240
gtagtgccag aaaggaaatg cttaaaaaca aacaaaaaga cccacaatg acaacaacag 300
tatatatgtt aaacacagga ggccaggcgc ggtggctcac acctgtaatc ccagcacctt 360
ggaggccaag gcaggtggac cgcccaagct caggagtcca agaccagcct gagcaacata 420
gcgaaaccct gtctctatca aaagtacaaa aaattagcca ggcgtgatgg aacatgcctg 480
naagtccaag gtattcaaga agcttaagtg ggaaccttgc ttgcattcca ggaaggggga 540
ngttccnnga gcttagaaaa tgnnccttnc ttc 573

```

<210> 6829

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6829

```

ggagacaggg ttttactctg ttgtccaggc tggagtgcag cagcataatc atggctcact 60
gcagcctcaa cctcttgggc tcaagcaatc ctccacctc agcctctcaa gtagctggga 120
ccacaggcat gagccaccat gcctggtgaa tttttaattt tctgtagaga cggtatctca 180
ctatgttccc catgctggtc ttgaactcct ggattcaagc aatcctccg tcttagcctc 240
tcaaagtgct gagattacag gcatgagcca ccatactggg tccagaataa attatcttta 300
aagaaaagta gggtcataag ccagagagaa taaatacaca tgtcattgat aattagaggt 360
atgaaactgt gggaaaagaa ttaacaagag tcatctacca tagagaagga agcagctgct 420
tgttccagta atcccacaag tcctgactca agtaaaggat tttccagagc agatccttct 480
tcatctngga gatcccatn atntgagaac cgcagaatct ttttaaaaca ttngattgaa 540

```

aaantttgga aaggttccca ttnccccagg aagaatt

577

<210> 6830

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6830

gtatTTTTtag taaagacagg gtttcaccgt tttagccagg atggtcttga tctcctgacc 60
tcgtgatccg cctgcctcgg cctcccaaag tgctgggata tctTTTTTTT ttttcagaca 120
gagtctcact ctgtcaccag gctggagtgc agtggcatga tctcggctca ctgcaacctc 180
cgcctcccgg gttcaagtga ttctcctgcc tcagcctctt gagtagctga gattacaggc 240
acacaccacc acaccagct aatTTTTgta tttttagtag agacggggtt ccccatgtt 300
ggccaggatg gtcttgatct ctgacctca tgatctgcct gcccagcct ccacaaatgc 360
tgggattaca ggcgtgagcc accacacctg gccaacatct atctcttaag tccacgatga 420
tttctgggga tcttgnccat ccacaggtt tacttgaaac cgnaaactat ntaccggcnc 480
ttgnaaatgc nggcagnt 498

<210> 6831

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6831

gcctttgcac agcttttatt attaagctat gagcatcctg tttgaggcta gttttactag 60
cggctatgtg cacatttgct cgcaataaaa gaagtttact cattcccctg tccccttttc 120
taatagaagg ttagctTTTT ttgttgnttt tttttatTTT tttgcacatc ctttttact 180
ttacagtaca tttgactata gtgcacaaca tgattccgag tcaaaacagt ggccattgg 240
gcactgagct tctgattggt gtagggcagt ccaatcagtg ctggtgtcac tgggttacct 300

caaccatgtc cggccaaaat ggcactaccc agtggtagtg aaccatctaa ttaaaaccaa 360
aactccccca gggaaaatgc tacactatca gagtcagtct tgagtcagat ctttatttgg 420
ngctccatcc agatatattt tagngctttc tctttacgan gngagtatgg tacacgatgg 480

cccagctttt tggagtcnac tgggtttctt tttttaatta gtcaatttnt ttngnt 536

<210> 6832

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6832

gagacggagt ctcgctctgt cgcccaggct ggagtgcagt ggtgcgatct cggcctcact 60
gcaagctccg cctcccagggt tcatgccatt ctctgcctc agcctcccgg gtagctggga 120
ctacaggcgc ccaccaccac gcctggctaa ttttttgtat tttgtttagt agagatgggg 180
tttactgtg ttagccagga tggctctgat ctctgacct tgtgatccgc ctgcctcggc 240
ctcccaaagt gctgcgatta caggcgtgag ccactgtgtc cggcctaatt tttttatat 300
tgnggtaaaa tatacacatg aaaatttcca ttttagccat ttttacgtgt acaattaagt 360
ggcattaata gacaatgtgc aacgggtccat ttccagatct gaactattct atcatcccaa 420
actgaaactc tgiatccatt aaacagtaac tgatcattgc ctcttccccg taacccttgg 480
taacttctat ttctggctct atgaattggc tactccagtt acctcatatt aggggaacat 540
ccatattgnn cctttgggggt tggg 564

<210> 6833

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6833

gagacagggt gtcactctgt cacctacgct ggagtgtagt ggtgctatct cagttcactg 60

cagtcttgac ctctgggct caagcgatct tcccacctca gcccceaagt agctggagct 120
 acaggcatgc actaacatac ccagctaatt tttgtatttt tggtagagat ggggtttcgc 180
 atgttgccca gactggtctc aaactcttgg gctcaagcga ctagcctgcc tcggcctccc 240

 aaagtgtgg gattataggt gtggccacta cacctggccc attgaaatat cttgaagtgc 300
 attagccatt caacacagct agcacaagat ccacactaat cacttacaaa tgttagtgtc 360
 accatgcaat ttttatact aaatttattt gtaaataatt ctgccttatg ttatgtaaaa 420
 ctctctaaag gaatgtgaaa atgattataa atcatatcac aattaagaat gaggaacaaa 480
 caacacaaag aaaattattt taagaattac atacccttac catttacaat agtggaccat 540
 atggttatag taaatcacat taat 564

<210> 6834

<211> 338

<212> DNA

<213> Homo sapiens

<400> 6834

cttttttctt tttttttttt tttttttga cagagtctca ctctgttgcc caggctggag 60
 tgcagtggca cgatcttggc ggctcactgc aacctccacc tcctgggttc aagtgattct 120
 cctacctcag cctcccaagt agctaggatt acaggcatgt gccaccaagc ccgactaatt 180
 tttgtatttc taatagagat ggggtttcac catgnggccca ggctggtctt gaactcctga 240
 cctcaaggga tccactcacc tnagtttctc aaagtgtctg gattacaggc atgagccact 300
 gcgcctgacc aattntngna tttnnattag agacagng 338

<210> 6835

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6835

cttttctttt gagactgagt ctcattctgt tgcccaggct caagtacagt gacacagtct 60
 tggctcattg caaactccac ctaccaggct caagcaatcc aactgcctcg ccttcccaaa 120
 gtgctgggat tacacgcata actgccttct tatacccatt ttacttcaaa ttctcatgag 180
 aatagcttct atgattatit gtccctttga tagaataaat tatgttgaca gatttcctgg 240
 taaaaaatca tcattacatg tctgaaataa actctagtgt tgatagtcta gaattctttt 300
 gatacaatgg cagattcaat ttgctaatat tttattttta cttttgaatt tatattagt 360
 agactgatct actggtttct ttattaaact gntctctggc ttctttatct tcccctgnat 420
 aaaggntctt attttgattc acaaggtggt tctttaagtt tntcaaaaa ggataaacta 480
 gnatctcctt tcattctgac atggtggang ggcccttggc tganaccang gtcctggant 540
 ggaagtnttt ggcaccgggg aacgnttc 569

<210> 6836

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6836

acaatttcac agcccacggt gagataattg agaccctgct gttcctggaa gcactattta 60
 gacagagcag gcctcaatag atctggaaca atcttggagg aagtcattct taaccctcc 120
 ctctcccttg acccactagg gagagaatga gggagagaga aagaggtgaa acttacatta 180
 aacaccctt cttaccattg ggaaacttcc cttcttatta ttcttttgta attttttaa 240
 aatatcatca tcatatctga aataatatgg atcatcagaa ttgcttgtat acattttttg 300
 acatgcctaa tattctggtt tttatggaaa atacatttgt ctagttaga gtttcctaaa 360
 gtatgctata cagaatatta gtaaaaatta aatgaaaaaa taggacaaa tccatcactc 420
 ataaatccac ttttagagat gatttaaagt gtaactaat gatttcaagg catggtttta 480
 agcctgggaa ccccttattc aagcttacc aaaatggtat gaancaggtg gaaacatgga 540
 actggtctga agnggtggca aggggggna 570

<210> 6837

<211> 571

<212> DNA

<213> Homo sapiens

<400> 6837

atgtataaac aggtaccagt ttgtatttta tttaatcatt tcatacatta acatacatga 60
 cacatcaaaa tgagaaatgc acagtttaac cgttcaacag ctggccttac ttcaaaagaa 120
 cactatattc atattaaaca ttacagtct ttcacatctaa ctttacacat gtcctaaatc 180
 attttccagc acttctcaca tagaagtcta gttttgctct ttaaaatcac catctgtatc 240
 acccctagta gaaacgaggg ttcccccaat tacatgctga agagagccag ccaccacccc 300
 acctaaagac atccaagcag ctccagagcc tgcctccgag gccacccctt cgccacggca 360
 gtctcgattc caagaactga ttatctgaca ctagtgaacc agcactaaag gctgtaggat 420
 gtgactacat cacagttcca gaaggaaggg gaccatggcc aagagaagcc ctaaagaca 480
 gaagctcatt aaaancaagt ccccaaacct tctggaacat cgtagcaagg agcttctggt 540
 ttccttctta acatngtttg gctgaccccc n 571

<210> 6838

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6838

gttttactaa aatggtcttg ttgcaaaata ataacaaata ccacagagag ccctacatga 60
 gaaagccatg tgccttcaag cctggggatg aggactctag ttctcaaatt cttagaacat 120
 agcacatgat tctccagggc agagaggctg gctggagaat gaggacctca ctgctgactc 180
 tgcttaacaa agtccatgcc ccaggcacag gcacacatgg aatgaggcca ccaagcaagt 240
 cacacccacc cctgttccca tgaaccccat aagagagaag tgctctctga agtctacaga 300
 cttggcaggg accactggac catggatagc ttagagacag ttattctgtg gccaatgaca 360
 taaaacctcc agaatctggg ccctacagtt cccttatcca aatttcact aactagggag 420

gtagaagagc aagacatgga agttgtctcc aaaccagtat ttggtcttca gtaaacaggg 480
ataaacataa aacactggtt cacaagcaga cttcanactt ctgggcacag caggtggaaa 540
aatccttaag tcccactgac caccttccac aggag 575

<210> 6839

<211> 580

<212> DNA

<213> Homo sapiens

<400> 6839

caggctccag atgtgtttat taggctatth aaatagaacc atgtgacat ttctgtaggt 60
aaaaggacaa agaagaatta caaacactth gggctcttcc cgaattctct cccctttctc 120
tggtcaactc caccacactt cactctcaaa ggaaaggcac agggggaagg aagtgagtga 180
gggggctcag aagagtctgt gtggctccta ccaccccaaa catattctgg ttcccgaag 240
ataagaggca aggcttgctc tgatcttcc cagttctcag agtccagcag gccgctgtgc 300
tggaacata catggatcca ccaacataca tcagtccttc tgtgttctct cctgcatggt 360
agaggctgga agcctaagag ctatattcct cagaatttcc tgccagccag gatttgcttt 420
aaagtccact aatgagaggc acttctagaa accatgattc cttcttcagc agtggcagac 480
agtaggcatg aaggthttgn aacatcttct gagcanttcc cagtccataa tctgnttttg 540
ggcttgttgg aacttganac ccttngccgg gagthttttn 580

<210> 6840

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6840

gagacagagt cttgctctgt caccaggtt ggagtccagt ggtgcgatct cagctcactg 60
caacctctgc ctatggggtt caagcaattc tcatgtctca gcctcccag taactgggac 120

tacaggtgtg cactaccacg cccatctaatt ttttgtatatt ttagtggaga tgggtttcac	180
catgttggcc aggctggctt ctgacctcag gtgatccgcc cacctcagcc tcccaaagtg	240
ctgggattac agatgtgagc cactgcgctc agcccttttt tgtcttggaa gtagcagtca	300
aggccatctg ctaaaagtaa gaacagataa atttgagatt tgaagagaat aaaggtttta	360
aattactgct atagaaagcg ggagaataag ttgaaagtag aaatttcaca ggattaccag	420
gcaacattga gacctgaggg ttggtgatca agaatttaga gaggnattat cccctcttnc	480
ataatggng aactttcttn aagccatatin tacacagaca gttgggctta caaaggcttg	540
gggtttttca ggcnaatggg ncccaaaacc aggggn	575

<210> 6841

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6841

gagatggagt ttccctcttg ttgccaggc tggagtgcaa tggatgcagtc tcgactcacc	60
aaaacctccg cctccctgat tcaagcgatt ctctgcctc aaccaactga gtagctggca	120
ttacaggcat gcactaccat acctggctaa ttttgtatatt ttagtaaaga cagggtttct	180
ccatgttggc caggctggc tcgaactccc gacctcaggt gatctgcctg cctcggcctc	240
ccaaagtgtt gggattacag gcaggagcta ctgcgcctgg cctaacaaac tgacttttta	300
aagcttcaag ttttatcttc taagatatgt tccaaagatg tatgttttta aataggatat	360
attccaaaat atcttactta aatgcttcaa gtatatcgta agtaagttat aaatcacatt	420
ttaaataat caaatgtggc tgggcatggt gactcacact tataatctca gcactttggg	480
angcttaggt gggaggatcg cttagagcca aagttcaaga ccaacctgng caacgtatgg	540
agacccatt tttttttana	560

<210> 6842

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6842

```

gggggtgggg ggcagagtct ccctctgtcg cccaggctgg agtgcagtgg cgcgatcttg 60
gctcactgca acctccgcct cccgggttca agcaattctc ctgcctcagc ctcccagagta 120
gctaggacta caggcgtgtg ccaccacgcc cggcaaattt tttgtatttt tagtagagat 180
ggggtttcac cgtgttagcc aggatggtct cgatctcctg acctcatgat cgcctgccc 240
tggcctccca aaatgctggg attacaggca tgagccaccg cgcccggccg gaaaacaaat 300
ttaaatgtca accatgacag ggcagatgag acaaaactaaa attacttttc atttcaatta 360
tcaaaaacaa ttagatctat ttcaagaaaa tatttttgct aagtaaattt tcttttaata 420
gctttaatct tataatacac atacatattt aagaatttag tggatcaca aaataattat 480
tttattattt ccacctaaag gataatgagt ttggctaata tagtctnggg gttnaaattc 540
agcttaaccg cattntnaat tnggcn 566

```

<210> 6843

<211> 503

<212> DNA

<213> Homo sapiens

<400> 6843

```

gggtattttt agtagagatg gggtttcacc atgctgtcca ggctgggtctc gaactcccag 60
cctcaggatga tccacctgcc ttggcctccc aaagtgtggt gattacaggc atgagccacc 120
atgcccagcc taaagctgat ctttttaaag aggaaaaaca aaccaaccag gggcctgagg 180
atgtctgggt tgggttcttg ggaagtggac cctgaaaggg tttgcaggcg acggctcctt 240
tgggaggggt ccccagaagc acaggagggc actgaggcag gaggggaggc tgtgccagga 300
agagggtctg tcgctggggg tgatggggca tgagcccaca gggagtcttg ggaaacactg 360
agcacacgcc acagacagca tggcccatgg cggcctcgga ggaacttgaa agggtccttg 420
gtacagtgca agtnggaaaa gaaggggcag gaatcccagc ctggccancc canatgggaa 480
aaccannntt cggggcctan gcc 503

```

<210> 6844

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6844

```

gagacggagt ctcgctctgt caccagctct ggagtgcagt ggctgatct cgactcactg   60
caagctccgc ctcccgggtt catgacattc tcttgccctca gccacccgag cagctgggac  120
tataggcgcc cgccacaacg cctggctaata tttttgtatt tttagtggag acgggggtttc  180
accatgttag ccaggatggt ctcaatctcc tgacctgtg atccaccacc tcggcctccc  240
aaactgctag gattataggt gtgagccacc gcgcccgcacc caaaatcttc tttattattg  300
nttttttatt tttatttttt gagacggagt ctcactctgt tgcccaggct ggagtgcagt  360
ggcgcgatct cggctcactg caagctttgc ctctgggtt cagccattc tcctgcctca  420
ggaggtcaag atcancccggt ttgacatatt gaaaccctgg ntctatattt ttaccaatna  480
aaacttcnaa tnanngtt                                     498
    
```

<210> 6845

<211> 568

<212> DNA

<213> Homo sapiens

<400> 6845

```

gagacggagt tttgctcttg ttgcccaggc tggagtgcaa tgggtcgatc tcggctcacc   60
acaaactccg cctcccgggt tcaaacgatt ctcccgcctc agcctcccaa gtagctggga  120
ttacaggcat gcgccaccat gcctggctaa ttttggtatt ttcagtagag acagggtttc  180
tccatgttag tcaggctggt ctggaactcc cgacctcaga tgatccgccc acctcggcct  240
cccaaagtgc tgggattaca ggctgagacc accacgcccga gcctaaagaa atcttttaaaa  300
atattttctg gtgctctaca tgttcagaga aatttctcta gtaatgaact atagaaatga  360
    
```

ttcctgaaag tacagtctta acagcaccat ttaaatacagg ggtcctatgt atggtcataa 420
 ctagccaggc ttttaagaggt ttgcagctna cacaggcgaa ataaaaacca ggagtttggt 480
 gtgcatgaat acaaaattgg ggnaaggctt tgaagaaaaa gtccatggcc tcatcatatt 540
 cccaagaagn tgnagcncc aaaaannt 568

<210> 6846

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6846

aagagacagg gtctggctct gtagcctagg ctggagtga gtggcgtgac cacagctcac 60
 tgcagccttg aactcctgga ttcaagtgat cctctcacct cggctcctg agtagctgga 120
 accacaggcg tgtgccacca tgcctggcta atataatttt ttttttttt tganatggag 180
 tcttgctng ttgccaggc tggcttgaa ctcnggcct caagngatcc tcccaccttg 240
 gcctcctgaa tagctaggat tacaggcgtg aaccaccaac cctgaccatt ttgatttttt 300
 taaaacagac tatcagaaaa gaaaagtta gagaaattgt ggaaacatgc cttagggttag 360
 ggctttccca gcttgccgtg agagggccct gcctgcctcc gcacttagga agcacaggcc 420
 cgtcaggtgt gaatgtcccc ggctgtctt ctccctntca naacaggcca ccattatttt 480
 tctttganat ttggctacac tggctttttt aancctcttt tggctatgct taangctntn 540
 t 541

<210> 6847

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6847

aagacggagt ctcaccctgt caccaggct ggagtgcagt ggtgtgatct tggcacactg 60

caacctctgc ctcttggtt caagtgattc tcctgcccc gcctcccgag tagctcgat 120
 tacaggtgtg tgccagcaca ccaggctaatt ttttgtatTT ttagtagaga cagcgTTtca 180
 ccatgttagt caggctggTc ttgaagagaa ggatacattt tttaaattac ataattaaga 240
 gagaccttgt gctataagag aaacaagact gacaataatt ttaaaaaaca gcataacatt 300
 ataagttgta ctagtttTga aaaaagcaca actctctccc ttgntcctta atttagcttt 360
 gatgttatga cacatcatat aaactgcagt attccatgta agttaagcac aaccaatta 420
 tttacctgaa taaaattaag gccaaacaaa atggaaaaca tatttgccat ctaatatTtc 480
 catggtnggt ggTTaaggTt catgaagctg ncntattgaa gaaagaatca gaattgtaag 540
 gcaaaaatag gtctaagtta gaagaatgcc tttgggaa 578

<210> 6848

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6848

ggcacatttc agccaaattc atatttattc cagtctctaa cactctgttg ttatgtctgc 60
 tgtaagatga tcaggagtta gtatgaagta ttcttctcta cgcaccaaag aaaacaaaca 120
 aagcaaactt caagtcagtg aattagttac cacagttaaa atgcatttga ttttgcctt 180
 ttctttttc acaagaacga cagctgaata ctctttcatg tgatgcctga ttttttctt 240
 tttctttttc tctctttttt gagacagggt ctttaagatg gggTctcgct ctgttgccca 300
 ggTtgagtg cagtggTgca atcttggtc attgcaacct cagcctcctg ttttcaagt 360
 attcttctga ctacgcctcc caggtagctg ggattacagg catgtgccac cgtgcccggc 420
 taatttttgn atttttagta gagaaggggg gtttcacat gttggccagg atggtctcga 480
 actcctgacc tgaagtgatc caccgncTt ggcctccaaa ggctgggaat anccgngtga 540
 gccctgtgnc aggctctgag gtggaaattt tctgttac 578

<210> 6849

<211> 585

<212> DNA

<213> Homo sapiens

<400> 6849

```

aaggtattta ttaaccttag tagatgacta aaggaagaaa cacacataca aaagtctggt    60
cctaccaatg ggcttagctt ccccaggaac caggaaattt tactctccca cccctataac   120
cactgttgca aaatggcttt ctctccact gaccaggttt ctcatgcca ccctttgcta   180
ggtaaagagt agtaaaagag aaaatggcca atgaaaagga gggggaaaca ctttttaaaa   240
ataactatat tttcaggaca ggctctgtgt gagatacact ctaacgtggg gacacgccac   300
agtcctcagt ggcccctgcc catcctccca actcactgta cagaaacact ctatggaggc   360
caatatttga ttctagaagc cagtgtccct caaccaact tctgcaactc cataccaac    420
aaatgatgct caaaaacaaa agcagctatt ttaagatcac taaacactgg ctggtgatgg   480
caaaactggg gctttcctta ttcttttctt cattttgctt ttatcaggcc ctggccttct   540
actttcntaa aangaattta ctccaaattn tngggaagaa atctt                    585

```

<210> 6850

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6850

```

gagttccagg atacaggtgc agagtgtgga ggtttgttac ataagtagat gtgtgccatg    60
gtcgtttgtt gcacctatca acccattatc taggttttaa gccccatata tgtagctat   120
ttgtcctaata gctttctctc cctcaccba ccaaccgccc tcaagtcagt tttctaagag   180
tattaatcaa gaaaccatct cataatcaca ccaaagcata tttctacaca agatataaaa   240
tactaggata tttgctaaag ataaatgcat gccatacact gtaacaatgg aaatgacttc   300
ctacaggata acaatgctaa aattaaactc tttgtaatta gtaaagatga acatgtgggt   360
aatatatgtt atatattttt taaactattt ttgcctcag taaagagaga gcttagatac   420
cttgtgtcat aaaataataa agcaaaaata acatttctat gtgaacattt ttaaaggttt   480

```

taaaattcat cctgggctgg gtgtaatggc ttgctcacc c tgtaatccag cactttcaga 540
agcttaaggg ggtgnatcac ttganggcag gagtcaagac cagcccgg 588

<210> 6851

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6851

cttttgtctt tttttttatt gtactctaag ttttagggta catgtgcaca gcgtgcaggt 60
ttgttacata tgtatacatc tgccatgttg gtgtgctgca cccattaact tgtcatttaa 120
cattaggtat atctccta at gctatccctc ccccgacccc aaccccacaa caggccccgg 180
tgtgtgatgt tccccttcct gtgtccatgt gttctcattg ttcaattccc acctatgagt 240
gagaacatgc agtgtttggg tttctgttct tgtgatagtt tgctgagaat gatgggttcc 300
agcttcatcc atgtccctac aaaggacata aactcatcat ttttatggct gcataatact 360
ttttcatttg tttgtataat ctctgatctc tttcagcagt gttttgtaat cctcattata 420
gagagctttc acctccctgg ttagctgnat ttctaggtat tttatTTTT tttgnacata 480
ttngaatgg gaatngttc cttaattggc tctcagcttg gatggctttt ttatacangg 540
atgctaggga ttttttatgg nnaatttgga tccggaac 578

<210> 6852

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6852

gagatagcgt ctcaccctgt cacctaggct accgtgcatt ctcagctcac tgcaacctcc 60
atctcccagg ttcaagtgat tctcctgcct cagcctccca agtagctggg attacaggca 120
tctgccatca tgcctgtcta attttttgta tttttagtaa agatagggtt tctccatggt 180

ggtcaggctg gtctcaaact cccgacctca ggtgatccgc ctgcctcgac ctcccaaagt 240
gctgggatta caggcctgag ccactgctca tggccagttc tttcattttt tgagtttctg 300
tttctgatct aaagtttacc actggtttcc aatttgtttg tgaagcagag aatattgaca 360

cacttttagt tgcttgcata attcattcct ttcctataag attatagact cticctatit 420
ccccagatcc ttttaaaggt ctctaattct tgaagtttg gtacataact ggtcatactg 480
nacacatacn nggcacaata accatcactg agtanaangg taatcnttca ctaatagccc 540
taagaaagaa atgctgna 558

<210> 6853

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6853

ggtttcttta ttccatttta ttatttatta agactgttaa caaaaaatag gctttatitt 60
tcctctgaac ttaaaaacta taaatttact tgggtcacta acagtgtctt cagtctgaga 120
gaaaataaca taataacaac aataatgaac aaagcactta gcatgtgcca ggcaactgttc 180
taggtgcttt tacctattca gtcattactt ttcacaacag ctctgtgagg taagtactat 240
ttcatacaaa ctttttcttt tggagaggga gggaggagg gagggagaca gcacctgcgg 300
gagactgggc aggatctctc ctatgaagtc agaacaacta ttgcctgtgg caaagtaccc 360
agcactgtct cccactaagc ctactaatt tatcttagtc tgtacatgta agaatcctct 420
aatacaccaa ccttggaaca gtttctcatt ctgntcaag ggtttggaan gtgagcagca 480
agctgctttt ggangcacta aacttggng gtgctgggat ataaagcctt cccagatgcn 540
tgactatccg ttcataactt ttaagcnacg ggtag 575

<210> 6854

<211> 486

<212> DNA

<213> Homo sapiens

<400> 6854

gcaagttaaa ttacatttat tatataaaga gatcctataa cttgatacga aaaacaaagc	60
aactccaaca gataacagaa gggcaaaagg acaggaacat ttgatcaaag aaacacagct	120
accgatagca cacaaatatt caacctcatt aataatcaaa ggattaggat gcacttcttg	180
cttattcaat aaagttaata atttctaatt tttctacttt tcaaagtac tcaaagtgc	240
tatttttagt aataaaaaac tgagtaatta aaaaaacata gaaagtatga aaatttctgc	300
caatgcagaa atcataaaca gcattaaaat gaatcaacac ttgtatgggc agtaagggtc	360
agaccctag aagccaattc attttgcctt ggttcctgag ttttattatg ggattgtcaa	420
taaggagaaa gttgttcctg atttcatgc tgacaatcct ccaggtatag gggggggng	480
tnnnnn	486

<210> 6855

<211> 573

<212> DNA

<213> Homo sapiens

<400> 6855

cccaaataca acttttatta tccaaaatca tcttgaagg acttttcta atatgcccat	60
tttctaaata agattaacca ttgatggga atatttcaa ttgtatcacc tccttccttg	120
acttttctt catcaactta gggcctgggt tgtaggcact gtggctctt gggatagtta	180
aatgggtgca atttggctga gaccgcccct gtcttaaag gccagggcta cagggttgc	240
caaatggctt tggtttgcaa cctcttcctt tgatatccat tgaagaacac atgtcctacc	300
ctcttgattg caagcttcta tctgctattg gctatcagga gcataacaga taagttctaa	360
ggccttcca gttccaaaag ccattgacca accctgtgag gcactatgag agattggaga	420
ttactgagga atctcttcca ataacatatg atatataaag gtaattgtga ttctatgaag	480
agtgaataaa aattgaaaac aaaaccatct ggttaaaact attaatgaa gttttaaaaa	540
taatggatgg gtaaataaat ggccatcaaa tna	573

<210> 6856

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6856

```

gagataaggt cttactctgt caccaggct ggagtgcagt ggcacaatct cagctcactg   60
caacttttgc ctctggact ttggcaatcc tcccacctca gcctcccaag tagctgggac  120
cacaggcata caccaccatg ccagctaata tttttttttt tttttgtaga ggtggggggt  180
tcaccatatt ggccaggctg gtctcgaact cctgagctca agcgatccac ccacctaggc  240
ctcccaaagt gctgggatta caggcatgca ccaccaggcc cagccacatc tgattttagg  300
gggattcctc tgaacacgtc accagtcagt gtgagatctg catgaagtat ttggttgaga  360
gcccttatct ggtgaaggaa gatccctact attcttaatt tgctgagggg ttttataatc  420
aaaggagatt gaattttatt gacttccttt tctgcatcaa ttgagatgat catttgggtct  480
ttctccttta atctgcaatg tgggtgtatt ttgtaataga tttttgatg tggaatcatc  540
cttgaattgg aggataagtc caacttggnc atgttggatt tnt                        583
    
```

<210> 6857

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6857

```

aatgaatcac tgcttttcct ttattgatag gtcagagagc atttcctggc acccccaggg   60
tacagcccc tgactcctgc tacccaagaa ggccatcctt tcctgcctgt gatactccgt  120
ggcatctgtt ctgccagagg actgaccctt tgtgctccac atatgttttg ccaggaaaca  180
cttatctcag ccacaaaccg tccctgtcct caaaagact cagagctgct tacaaggggc  240
tgctttggtc agtcagctgt tagtcctggg gctcttgctt cctctgtggg ggtagcatca  300
gtcaccctaa agttctcagg ccgccgctag ctagtgagtt acaagatttt agaaaccagc  360
    
```

tcttgtccac agatcctcag gcccctgggt cttggatcca gaggcgtctg aggtatgttc 420
 acaggcacct gctgctgctg ctgctgctgc tgcctgcctt gctcttgccc tcagtccccg 480
 tctttccacc tgggtcccct tgcactttca tgcctgangc tgcactgggt gccaaagtcta 540
 aactgagggt cttccgnana ccgaanccgc cgaacgcctt gg 582

<210> 6858

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6858

gagacaaagt ctcactgtcg cccaggctgg agtgcagtgg tgtgatctcg gctcactgta 60
 acctccacct cccaggttca agcgattctc ctgcctcagc ctccaagta gctgggatta 120
 caggcgagca ccacatggc cagctaattt ttctattttt agtagagacg gagtttcacc 180
 atgttggcca ggctggctc gaacccctga cctcaggta tccacctgcc ttggcctccc 240
 aaaatgctgg gattacaagt gtgagccacc gtgcccagcc attttttttt tttttgagac 300
 agggctcttg tctgttgccc aggctacaat gcagtggcgt aatcatggct catgcctcct 360
 caccctccca ggctcagatg atcctcccat ctcagcctcc caagtagcta ggactacagg 420
 tgcacgttgc catgcctggc taaattttgn gttttttgta gagatggggt cttgccaaagc 480
 tgcctaggct ggtctggaac tcctgggctc aaatgatctg gccacctnag cttccaaagt 540
 gtnggaatac aggcttaacc atgggcccgc anaattc 577

<210> 6859

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6859

gagactaagt cttgctctgt caccaggct ggagtgcagt gacacgatca cagctcactt 60

cagccacctc atcagactaa ttttttttct ttttttgaag agatggggtc tagctatggt 120
 gttcagactg ttcttgaatt tctggcctca agcaatcctc ccacgttggc ctcccaaagt 180
 gttgggacta caggcatgag ccactgtacc tggcccaaag gctttcttga cctccagtt 240

 cacaaggatc tctccattct gtacattcac agcacttaca ggataggcct acattcaact 300
 ggcacttcat cctatatgcc ttgtggcagc tcttagagta ttattttact gcacttttat 360
 ataactcatg aattgttata tgaaatttct atggatgata agtccagcaa aaaggaatat 420
 ttaattttta attngatct gattcatata tcatatctct ncaattacag gctcctggga 480
 agtggttaaca ggggctttna gcttcctggg attttccaat ggacttacac cccagtgcctn 540
 nggccccng gaaaatggnc aggaagcatt tgccggggaa ntggaatga 589

<210> 6860

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6860

gttgagacgg agtctcgctc ttgttgcccg ggctgaagtg caatggcacc atctcagctc 60
 accgcaacct ccattctctg ggttcaagca attctcctgc ctacgcctcc cgaatagctg 120
 ggattacagg catgcgccac catgccctgc taattttgta ttttagtag agatgggggt 180
 ctccatgttg gtcattgctg tgttgaactc ctgacctcag gtgatccgcc tgcctcggcc 240
 ttccaaagtg ttgggattat aggcatgagc caccatgccc ggctaaagcc cagtctcttt 300
 attacacat gtggattcct gactgcttta tgtgggaccc aatccttgct acctccagca 360
 acccctctgc ttgtcctgca tggatttgcc tgcctggaag tagggctgtg cccgtgcctg 420
 tgcccgaagc ctccctcctg aacangctgg actcacgcat tgaggctctg gcctttcttc 480
 aacaggtagt anatgcaggg gaagggccac ngtggtggtt gncctgggg atgacaaggt 540
 caagggtgnc tggcttntgg tgggcaacaa gnnc 574

<210> 6861

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6861

```

gggctcttac aaactttatt ttacctccat ttagcactgg tttcaccccc atggcactgt   60
ttggcaatgg atctttctct ctaatgacag tctaagttag gtgagactgg gtatcttggc  120
ctactccttc ctgcaacccc atgacgcagt tcaggaggag gggctcgcag ttcaggagtt  180
aatgcgtggt caggagcagg ggctccaagc actgcattcc tggggccccc ctctggttcc  240
acacctttgc tcttgccatt accttagatt ctatgccctt cctcctttc tttacctgtc  300
taaatcctac ctgtcctcta gagctgggtc aaggccagct tctaccaggg agcctacagt  360
gattgntcct tccttggaa tccctcagcc tttcctagtc atcaacattt cctgggggtgt  420
ggagtgcctt cctacagacc aggtatccca aaggttgggc ccaagtcttc cgntgcaaca  480
aggcatgcca atggggagga aaggagacag tgcttggaa ggaaggagat cctgaaactt  540
tggggaanaa nanttggggn caaacttaat cagaaagggg gcctnt                    586

```

<210> 6862

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6862

```

gagacagagt tttactcttg ttgcccaggc tggaattaca ggcatgtgcc accatgcccc   60
gctatTTTTT ttgtatTTTT attagagacg gggtttctcc acgttgatca ggctggtctc  120
TTTTTTTTTT TTTTTTgag acggagtctc gatctgtcac ccaggctgga gtgcagtggc  180
gcgatctcgg ctcactgtaa gctccgcctc ccgggttcac acattctcct gcctcagcct  240
cccgagtagc tgggactaca ggcgcccgcc accacatccg gctaattttt ttgtatTTTT  300
agtagagacg gggtttcacc atgttagcca ggatggctct gctctcctga gcttgtgatc  360
cgccigcctc ggtctcccaa agtgctggga ttacaggcgt gagccactgc gccagcctt  420
tattttattn tattttatTT ttgagacaaa gtctcactct ggtgcccagg ctggagtaca  480

```

gtggtgngat ctcgggtaac cacaaccttc accttcctgg ttcaagggat tctctggctt 540
aancttncca agtagctgga attaccgggg ccgggcaaca ac 582

<210> 6863

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6863

ctttttgaga cggagtttcg ctggtgttgc ccaggctgga gtacaatggc atgatctcgg 60
ctcactgcaa cctccgcctc tcgggttcaa gcgattctcc tgcctcagcc tccggagtag 120
ctgggattac aggcattcac caccacgctc agctaatttt gtattttgag cagagaaggg 180
gtttcaccat gttgaccagg ctggtcttga actcctgaac tcaggtgatc caccgcctc 240
atcctcccaa agtgctggga ttacagggtg gagccaccgt gccagcaaa agacttttga 300
tgcttaaaca gaaacatata tttcatgctt tggtttaciaa gttatatggt aagcaccctg 360
ctccccaacc aaaggaaagt ctaccaagt actagaaaag aaagactgaa aaggaacaag 420
cacgttaaca tctctttgga tctataaaaa ggtattcact caaattcaag acttttggan 480
gggttttggga ataaaaatgg tttgnaaggg cacaagtgga aggttaaaga nggaaggaaa 540
tcccaagnng nttaacagtc naagaccggt ttgttttggga naanaaac 588

<210> 6864

<211> 585

<212> DNA

<213> Homo sapiens

<400> 6864

gagacggagt cttgctctgt caccaggctg gaggtcagtg acacgatctt ggctcactgc 60
aacctccgcc tcctgggttc aagcgattct cctgcctcag cctcctgagt agctgggact 120
acagccgtgc gccaccacgc ctggctaatt tttgtatatt tagtagagat gtggtttcac 180

catgttggcc aggatgggtct cgatctcctg aactcgtgat ctgcccgcct cggcctcccg 240
aagtgttgag attacaggcg tgagccaccg tgccagccgg gcctcctttt ttgtctggtt 300
tccttcctgt tttttcagaa gggaccactc caggagtcag aaaagaacac acactatgaa 360

aettacccca aactcagtaa tgctggaagc gccatactta ttgcaaaaag tagcaggact 420
cttgctcccc agggttggca agatgccagc aacaggattc caaaagccca cggaaatgct 480
ggcttcacaa ggcccaaagt cccaangnc ttaaccgaac nttttcctta aaacactggt 540
gncccttaaa aaaacttaaa ataagctttt gncccaaana gaaat 585

<210> 6865

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6865

ccactagtgc tgcattggag atggcagggt tgaatgcct aacagttgaa gagactcgac 60
actgctgctc tgtgcacaga tgtgggattt cttacacctt tttagtcaga cctacttagc 120
tgccttttgc atttttcaat gctgacatgt ttcagtaaaa ctttgactaa ctagaatact 180
tgggggaagg gggttctggt tgaatgattt cctggttaaa ctaaaagtta tttagaaagc 240
cctttttatt gaaaatcttt ccaaagtata tcagcatact tttctctgga gcgaggcggc 300
actgtcagag aaaaattgta cagtatgtag ctgtttggaa ggactgtgaa acaaatttag 360
caaagctgct aactgcttat cactcctttc tctagctgga aagcagcacc tntcagtatc 420
cctgaggtag ctaaacccta ctactctctt caaaaattaa tttggccttt taagcaanaa 480
accctggant cttatcangg ggacaaacca aaggtcctgg gggccanaan ccttaacntt 540
taatccttaa aaccttcagg gttaattcc ttcaan 576

<210> 6866

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6866

gagacagagt tttgctcttg ttgccaggc tgaagtcaa tggcgcgac ttggctcact	60
<hr/>	
gcaacctccg cctcccgggt tcaagcgatt ctctccctc agcctcccga gtagctggga	120
ttacaagcgc ccgccaccac acccagccaa tttctgcatt ttagtagag acggggtttc	180
accactgtgg ccaggctggg ctcgaaactc tgacctcagg tgatccaccc gcctcggcct	240
cccaaagtag tgggattaca ggtgtgacct accgcacctg gccaatctcc cctttttata	300
tgaacctcag taaggtaggc tttctgttct ttggatgcc aaaaaaaaaa ttcttaaccg	360
atacagctag gaagtcagga ttccaacttg aaactctgat tccagaaccc gtgagctgaa	420
ttccattcct ccctgnttct ctctttcttt tgctctcttt gctacactgn agcacatcag	480
tggccacgct gatcttcgaa gttcctcaaa cgaccattc ttctggccan aaaaaagcct	540
tgntctttcc ttggctgagg aant	564

<210> 6867

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6867

gagacggagt gttgctctgt cgctcaggct ggagtacagt ggcagaatct cagctcactg	60
caacctccgc ctcccgggtt caagcgattc tccagcctca ggctcccag tagctgagac	120
tacagacacc tgccaccacg cccggctaatt tttttctat tttcagtaga aaaggggttt	180
caccatgtta gccaggctgg tctcgaactc ctgacctgc gaccacccg cctcggcctc	240
ccaaagtgcc gggactacag gcgtgagcca ctgtgcctgg ctatacttgt ctttaacagt	300
ggtaggaaaa catatgggat gataagagtt ttttaagggt aatgaaagca cctaagaaat	360
tatctaaaag tacttcaata ctttatggat gagaaaacaa acgaccagag aaagttacgt	420
gactggccta agattngta aataaagtct acctctacta atccctggtt caatgatatt	480
tctctgggtt ggnaanggct ncntttanta atcagtacca accaatntg atctgggaaa	540
aaaggaaaat gaaaaatfff aaggctaccg cten	574

<210> 6868

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6868

```

ggtagagata ggatttcctt atgttaccca ggctggtttc aaactcctgg gctgaaggaa   60
tccttccatc tcagcctctt aaagtgttgg gattacaggt gtgagccatt atgccagacc  120
cctcattatt attatttaaa gaaagctagg acattttcac tttttttta agaactcttt  180
tctaatacat atatgctaga aactgagaag gaactcttca ttgattatta tttcttcttg  240
gactcatgag ttatttagaa gaatgtttct taatttcaaa atttgggaaa atatatatta  300
gttttttttg tttttgtttt tgnttttatt gatcattctt ggggtgtttct cccagagggg  360
gatttggcag ggtcatagga caatagtggg gggaagggtc gcagataaac aagtgaacaa  420
aggtctcttg ttttcttagg cagaggaccc tgcggccttc cgcagtgggt ggggtcattg  480
ggtnccttag attagggagt gggggatgac tcttaaccga gtntgccggc ctttcaacat  540
ctgtttacca aagccncatt ttgcncacc ttaatt                                576

```

<210> 6869

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6869

```

ggagatggag tctggctctg tcaccagggc tggagtgcaa tggcgtgatc tcagctcact   60
gcaacctccg cctcccgggc tcaagcgatt ctctgcctc agcctcccga gtagctggga  120
ctacaggcac gtgccaccac gccagctaa tttttgtatt ttttagtaga gacaggtttc  180
accatttttg ccaggatggt ttctatctct tgacctcgtg atctgcccgc ctcggcctcc  240
caaagtgctg ggattacagg cgtgagccac cagcctgggc ctctacaata attcttaaatt  300

```


ttatacttat gcatatggac atatctaate agaaagaata acttccagtt ccctttcata 360
 tagaatgaag aattatgaac attttaagtt tcaactcttc cagatttttc ttattcatga 420
 ctactttacc tggatgtcct antttgcttg ctctttcaag gtgtgtgtgt gtgtgtgngn 480
~~gngtgtacaa tcatgccaaag ttggatcttt tatctggaaa agcccatctt acacatatc 540~~
 nccaagggnna atttttaang gactgccaga aaaaaanttt gga 583

<210> 6870

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6870

gagacggagt ctgctgtgt cgcccaggct ggagtgcagt ggagccatct cggctcactg 60
 caagctccgc ctcccgggtt cgcgccattc tctgcctcc gcctcctgag tagctgggag 120
 accaaggcag gaggatccct tgaaccagg ggttcaaggc cagtctgac aacatagtaa 180
 gatcctgtct ttacaaaaaa caattttaaa gttagctgtg aacagtaatg cacacttata 240
 aagctgtata ttaagactaa ggcttaagaa acccttgagc ctaggagttc aaggctgcag 300
 tgcaagctat gattacacca ctgcacttca gccacagtga cagaatgaga tgctgnctct 360
 acatgatgat gataataaca ataatatatt tcaaaactat tctgggatta gaaacttact 420
 actcttacct gnctaccatt aaaaacccaa gaagtccaaa tggggggcat aaggggggaa 480
 agtaggnnaa aaatttccat ggaaaaactt ggaatatcct gggaggcttg ggaaccaacc 540
 caaatattgg gtintcaatc cttgggtaat aanggga 577

<210> 6871

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6871

aatttttttg tagagacaga gtcttgctat gttgccagag ctggtctcaa actgccggcc 60
 tcaagcgatc cctcaacctc ccaaaatgtt gggattacag gcatgagcca ccatgcccag 120
 ccaagatagt ttaaacagcc ctggcctcaa cttcttact ctgtctgtgg gtctactagg 180

 aggggagatg ctactaggct cctcccatca gtctagggtg cccttgaaaa ccttgatccc 240
 ctgagcctct gcccctctcc acctacaagc ctcacctgca cggatcatgag aagagaccac 300
 cagtggctga ctccagggtc cacagccaac tgcatgtggag acgcacacac gtacgatcag 360
 ggccctttng ggatccaacc tgtcaaaatg gccctgggcc cttcactggc agcttatctg 420
 gagccnggaa aaagccccac ccattatgag ccttgggaan aaggcttcan cttgggcctg 480
 aggccgaaaa aaggctnact tgnacatgg agtntagggc ctgggggtta anggcttgag 540
 gaaccaacct ttggggnaat acattctggt ccggn 575

<210> 6872

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6872

ctgagacgga gtctcactct gtctcccagg ctggagtgca gtggcgtgat ctcggctgac 60
 tgcaagctct gcctccccga ttcacgcat tctcctgtct cagccttcca agtagctggg 120
 actacaggcg cccgccacca tgcctggcta attttttgt attttttagga gagacagggt 180
 ttcactgtgt tagccaggat ggtctcgaa tctgacctc gtgatctgtc cgcctcggcc 240
 tcccaaagt ctgaggttac aggcgtgagc caccgcgcc agcctatatt agtaatttta 300
 atgtttaaac aaggtttcat ttcatttcaa aaattccaaa tctattagca taaagatgta 360
 acaaaaattg ctttttgctc aatcctagac cactccattg cctcacaag aaagtaaca 420
 tgtgctacag agaaagaagt gcctaaagg gttgnactgc aaanacctg gctattaatc 480
 tccatactac agntgtgaac cccagggaan aagccancc cattaggact ttaggccaag 540
 nntgtaa 547

<210> 6873

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6873

```
gtatttttag tagagacgag gtttcaactgt gttagccagg agggctctcaa tatcttgacc 60
tcgtgatcca ccagccttgg cctcccaaag tgctgggatt acaggtgtga gccaccgtgc 120
cggcccatgc agcagttcta acagcctttc tgaaaggctc gctgcagtgc ttgttttgca 180
ccatctcttc atctcttctg atggctggaa ttttaatgag atagcaggaa gtaaagcagc 240
catcctggac catgagggtca gcttcagaat ggaggctaga cacagtgaaa agaaatagaa 300
aaagtctagg tacctgagat ctttatgaaa tagaactttt aaagcaattc cagtctaccc 360
tccagatttt gacatgagag agaaataaac ttctattttg tgtaaactat tattaacagt 420
ttaaagctt aagccaaacc taatcctaac tgacacacat gccaacagca ttcagaaagc 480
ccttcatggt aaagtgggtca taataccaag ttagtaataa cnggctggct acaaatatgc 540
ctgncaaact tatccatccn tataatggaa ncctgggnatc nttttttt 588
```

<210> 6874

<211> 579

<212> DNA

<213> Homo sapiens

<400> 6874

```
gagacgcagt cttgctctgt tgcccaggct ggagtgcagt ggcacgatct tggctggcta 60
caagctccgc ctcccgggtt cagccattc ttctacctca gcctcccag tagctgggac 120
tacaagcgcc cgccaccact cctggctaatt tttttgtatt tttagtaagg acggggtttc 180
actgtgttag ccaggatggt cttgatctcc tgaccttgatg atccacctgc ctcggcctcc 240
caaagttttg ggattacagg cgtgagccac cgcgcctggc ccgataattt tgaaatatgt 300
aatacatgag tgaaatgatc acaattaaaa tatggaatac ttccaccacc cacaaaagtt 360
ttctattgtc tctttgcaat cgattcttct tgccatccca gcttccaggc taccactggt 420
```

tggcttcaca ttagtaggtt agtgtgcatt ticcagaact ttctanaaag ggaaccgngg 480
 ttcattggcct tggggctctgg cttccatcac tntnaagca taatttgaga tcccctgtgg 540
 tacacacagg gacttattcc ttttaangaag ganaagttt 579

<210> 6875

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6875

aaggaatcat ttcatacagt tacactgaat ttaaaacat agaaaatgct cccccctccc 60
 ctaatgaaag acctgaatgt ttaggaggt tccttacaac ttttgagcca ctttattatt 120
 ttctttttgt cagttctctt gaggcataat ttatagacat taaaagtcac caatctccag 180
 ggtacaactc agtgagcttg gacaaacagg cagtcattca accacactac aatcatgata 240
 gaaacattcc tatcaccccc aaaaaaagtt ccctcgggcc ctttgctgc ctactccctc 300
 cctacagccc cgtccccagc tgccactaat ctgatttcta cctaaatgag cccaatttct 360
 cctcctgggt gtactccctg tcctgcccc gtaacactgg ctaactcact tagttctggg 420
 tctcaggctt cccatcagtg gattagcagg cttccattag aactgacacc cagcactact 480
 actaattgca gctctgattt tatcagtcac ccttcgaagg nttgngggtt aaattaattg 540
 gaanaacngg gaccatgatg aaacctaag nctgaaaacc gggntggga 589

<210> 6876

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6876

aacctctcac agctcatacc actggatctg agactggaat taggtgtctt ccttgctact 60
 cccagactct ttacttgccc tctttcctaa aactagcttt gaaactcatg ttgtcagcct 120

gtaaccatgg ttctcaattg ggcaattttg cccctttctg ccaccgggg tataattggc 180
 gtgtgtaaga cgttttgatt gtcacaactg agggagtcc actggcacct agagagtcaa 240
 ggccaggaat gatgctaaac atcctacaat gcacaggaca gctccccctg ccccccaaca 300

 aagaatgatc aggtccaaaa cgtcaataat gccaaagggtg agaaatcctg gtccacagt 360
 ctactaatg ccacctgcag gacgctctta tctcctgcat cattaacttc gctgtttgga 420
 tcattcccat tagtatacaa acatgttgta atttccgcat ttaaaaatat tttctgtccg 480
 ggtgcantgg ctgagcttgn aatctcagca cttgggaagc tgaggacca gacttttttc 540
 ctgaactcca gacttatggt aactacctac tnaacattta catttt 586

<210> 6877

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6877

ctttccattt gcttggttaag atcttctctc atccctttat ttttagtcta tttgtgtctt 60
 tgcattgtgag atgggtctcc tgaatacagc acacaaatgg gtcttgactc tttatccaat 120
 ttgccagtct atgtctttta attggggcat ttagcccat tacatttaag gttaatattg 180
 ttatgtgtga atttaatcct gtcattatga tgtagctgg ttattttgcc tgtaattga 240
 tgcagtttct tcatagcatt gatggtcttt acaatttggc atgtttttgc agtggctggt 300
 accagttggt cctttccatg tttagtgtt ccttcaggag ctcttgtaag gcaggcctgg 360
 tggtgacaaa atctctcagc atttgcttgn ctgtaaagga tttattttct ccttcactta 420
 taaagcttaa tttggctaga tatgaaattc tgggttgnaa actcttttct ttaagaatgg 480
 tgaatattta cccccacttt tctgcttgg aagggttctg ctganaaac ccctggtaag 540
 ccgaagggtc tccctttgag ggnaaccga cctttttttt nggtggcct 589

<210> 6878

<211> 584

<212> DNA

<213> Homo sapiens

<400> 6878

gagatggagt ttcgctctgt caccagggt agagtgaat ggtatgatct cagcttactg 60
 caacctctgc ctctgggtt caagcgattc tcctgcttca gccttccaag tagctgggat 120
 tacaggtgcc cgccacacgc ccagctgatt ttgtagttt tagtacagat ggggtttcac 180
 catgttgccc aggctggtct caaacccctg aactcagggt atctgcctgc cttggcctcc 240
 caaagtgctg ggattacagg cgtaagctac tgtgcctggc ccaaagtcag gattcttaag 300
 ggaactctcc aggacatgct tcgtttctct cagtctgtgt catttagggt ggcagaatgg 360
 tctcacaggg ttaacatctc tggaagtaaa ccatttacc aatatgatgt agtggaagtt 420
 agaaaaaaca acaacaacaa caacaacaaa aaacccaaaa aactagcctg caggcaaaac 480
 aatctgggtc aaagagttta acaggccttt actaagagcc cttttttga gagtncagtt 540
 nttgagggat aaagcttntt gntcctaagc antgntnggg caac 584

<210> 6879

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6879

caactttatc cacagtttgc atcggttaata tacatttaag tgttccattt atttttaaat 60
 gcatcagaaa agcaattatg atagatctgt gaccaataca aacatttctg atttattcaa 120
 aaaattcagt taaaaaagtc attaaactag cattctgtaa agataattat taaacaaatg 180
 gtaatgcatt ttactcctt atttcatttc taacataccc aacgtcactt ctttcttgtg 240
 ccatacagta ataaaatgta acagaaatag atatctatta aattttgggg gcctaataaa 300
 atatttttga ttattcaact gtcattaaat cacaaatccc actcaagtga tgaaaatcat 360
 tcttaattca ataactgatg aaatagataa tagccataaa aacatttaga ataaatttta 420
 cacttagaaa ctctaaaaga aatacatcag agccttggna taacattgta ggggacatgc 480
 tgtgaaactg ctttaaaacg nggngtgnca tttggcncag gagtaatgaa ccggcntgag 540

gnggcctcaa aaaagccctc ttaaattggaa ttgnt

575

<210> 6880

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6880

gagatggagt cttgctctgt cgcccaggct ggagtgcagt ggcgcgatct cggtcactg 60
 caacctccac ctctgggtt caagegattc tctgcctct gcctcccaag tagctggaac 120
 tacaggcacg tgccagcaca cccggctaag tttatgtatt tttagtagag acagggtttc 180
 accgtgttag ccaggatggt ctcgatctcc tgacctcgtg atccgcccac ctcggcctcc 240
 caaagtgaga gccatcacta ttatttgcac aatctcattt acacaaactt gataaaagca 300
 tagtatcaaa aggctgatgt gaactgcttc attaatagtc ttattttcat catcattagg 360
 tgcggtccac ctatgtccct ggcattagat gactccacaa agttttattt tatattgaat 420
 tatattcgcc tactgccttt ttttcgagac aagatcttcc tctgntgccc aagctggaat 480
 gcantgggag caatcatgac ttactgnaag ccttaacctn ctgggggtcaa agngancctt 540
 ccatttancc ttca 554

<210> 6881

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6881

gtatTTTTgt agagctgggg tttctccaag ttggccaggc tggctctgaa ctctgacct 60
 tgggtgatct gcttgtcttg gtctcccaaa gtgctgggat tacgggcatg agccactgct 120
 cctggcctca ggcatggttt tctacaggca atttttgtt ctttattaat ctttcacctt 180
 ataaaaggga acagtctgta aatagcattt ataagcatac ttagtaatac agtcctatg 240

atcatatgga aacaaataaa tgaaagctgg tgtaatggta aatgtgattc agtctccctt 300
 gggctctgggc cttttgggtt tgggtccctc tgtgcggccca aggcaggtca gttgcagaga 360
 gatggtccag accttgccaa atggtttcta tatgaggctt ctgggtcaac actccctttc 420
 aataaagacc tgggctatga tgactccagc cgggtctgcg ccacaatggg tggagtgtc 480
 acaggggtcc tcggnecatgg gaaacccent taatccctga caacatgcat caaacacttc 540
 catttgaact tccaaggncc ntaaaagcnc acnt 574

<210> 6882

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6882

cagaccttag aaaatgaaat attcatttat acaatgaaag gtacagtaaa taaccatttt 60
 tatttctatt ctaattggca caaagataga acagtctgac agaaaattaa taagaacaag 120
 aaccaggaac tctaaatagg catgaaacct tatgaaaagt acttcttggt tataaatact 180
 aaatcaaatt tctcattatt aaaattagca tacaatctga atttgctcct tatccaaatt 240
 caccagtgtt acaaagggtga ctttttttaa aaaatagaga caagatcctg ctatgttact 300
 ctggttaatc ttgaactctc gggctcaaga tgatcatctc acctcggcct ccaaaagtgt 360
 tgagattaca agcatgagtt atcgcacctg gctagaagat taaattttta aggcagtcaa 420
 tagtaatggg taccctgaat gggagcattt actgctttac tgngatacta tcttgcagaa 480
 ttattcattt aactcttctc agcaatttga ggtaagtatt nccattacct ccatttaccg 540
 gataaagaaa 550

<210> 6883

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6883

cctgctacgt ctatagggtc tggaataatg tctggaatgt agtaaataagg tagctgtatt	60
tttgttctct tttctgtccc ctttttttcc tgttctattg tgtgtgtgta gaaggctgac	120
agctctagat ttcattgtat tcctttgctt ccagttggcg atggtaatta attccctggc	180
agaagatcat aaagcaggag gagagagggt gtgtcaacag ttccaaccc tctggctttg	240
ctctgcttcc tccaactcta cgagtttcat aatggacctt cctccacagc tcacactatc	300
atctgtgctt tcacaaactt gtcttcccct tgtcccctcc gacttagggg tagcaaaggg	360
ttttccctgt ttacggctct taaaaactca gaatttctca cattctact tgttttctta	420
acgctgttta cacctgttaa ataatacttt cactgattta ttttcaagt taaataatct	480
cacatttacc atctggnttc tggtaaaacc nttacagatt ccangngctc aangctatct	540
tgacnaaa	548

<210> 6884

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6884

aaaaaaaaa aagccaactt ttttttttta atcaagagat aagtagctag ctgcaagctc	60
aaggctctcg ttgaggacaa tcattatgag tcctagtaaa agacaaccag ttttaagaac	120
actgtcaggc aagctaccat gtagttctcc ttgactccat gcttagctct ttcagacttc	180
ccagtaatta cgaagggtca catttttggt cagctttgcc cagtgtgtc attcataata	240
gatgaatgaa aagtcaccaga aacctgttct gtttggaag gttttctttt gttccaggct	300
tcggtggtta atatgcttga caaatttcag agtctctctg tctctgtaga ccaatgccaa	360
agaattgctt tctggattca ctgtagcag ctcttcatct tcacctttgg caatgtaaga	420
agtaaaaccc gccatattct ggctcccagc cttcacagcc ccagtcnaga aattaagtct	480
agggcaaata agccttgcta tgggcatgaa attaaagnga atgaccggc tttcaaagcc	540
tantt	545

<210> 6885

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6885

```
gtcttcctaa tccaaatggc tggctctctc agttgcgact tccggctgct aaagttagga 60
tttagcccta tagaatgttg gccacagtca aagataaaag tgcttggaag actcaggtgt 120
ataaataaaa cctcagtcct taagtggctc gtgtgtaaag aacacctggg tccaactcag 180
cactgtccag cagaactttc tgtgatgatg aaaccattct gtattgtcta atacagtagc 240
caccagccat atgttactct ggagccattg aaatgttatt agtgcacctc aggaactgaa 300
ttttaaatTT tattcaattt ttgttaattc aagtttagcc acacatgact agggctactg 360
tatggaacaa cacagtttga aggtacagtc ttaatgtgta aaatagatat attaagccta 420
taaagtgacg gtttttcaaa cggagaacaa agccagagta ctgccatgct tgatggaagt 480
ttatctcaat ggttaaaggg tncagggggg cactggctta ngaaggtnG attaccagtt 540
ttttg 545
```

<210> 6886

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6886

```
gaacgaccaa atcaatgttt attataagta agtggaccaa gtgtgggtgg cctacctgta 60
aattccagca ctttgggagg ctgaggcagg agacctcacc tctacaagaa ataaaaaatt 120
aggtgggcat ggtgggtgcac gcctgtggtc ccagctactc agaaggctga ggcaggagga 180
tcgcttgGCC ccgagaagtc gaggtgcaa tgagccataa tcgtgccact gcactccagc 240
ctgggtgaca gagccagacc ccgtaatagt tgggcaccaa gttaagatt tattaatttt 300
ctcctctcag tataggcagc aattcacat tttctttcag ttccttcaca atatccaatc 360
```

ctcccaccag ctcccccttc acatacagct gagggatatgt tggccaattt gagtaagctt 420
ttaatccttg ccgaacttct tcatectcca atatatcgaa ngttcatatt caacaccagt 480
ctattagtat ttccgaattg gttgtgaatc ccatttgctt ccggtggttc ctttana 537

<210> 6887

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6887

ggggagacag tctctcattc tgtcaccag gctggagtgt agtggcacga tctcagctca 60
ttgcaacctc tgcctcctga gttcaagcga ttatcctgcc tcagtctccc gagtatctgg 120
gattataggc atgcaccacc gtgcccagct aattttcata cttttagtag agacgggggtt 180
ttaccatggt ggccaggctg gtctcaaact cctgacctca agtgatccac tcatctcagc 240
ctcccaaagt gctaggatta caggcatgag ccactgcacc cagcctccag atgcattttc 300
aaagatggtt catttgtagt acttttttcc cccgtttttt gaaagagggc gtctccctct 360
gttgcccagg ctggagtaca gtggaacaag caaagctcgc tataacaact cttgggccc 420
aagtgatcct nccgcttcag ccttccaaaa gtgctgggga ttacangcnc cgaagccacc 480
gtgccccggg cacgccctta cttttttaat ctggcatttc ttttaaggggt anncttggag 540
tcctttcccc tttna 555

<210> 6888

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6888

aaagacaggg cctcgtcttg tcaccaggc tggagtgcaa tggctccatc ccagctcact 60
gcagcctgga cctcctggac tcaagcgate tattctcttg cctcagcctc acaagtagct 120

ggtactacag gcatgtgcc tcatgtccgg ctaatTTTTT tttttttttt gtagggaaag 180
 ggttttgcca tgttgaccag actggtctcc tgggctcaag caatcccccc tcctcagctt 240
 gccaaagtgc tgggattaca ggtgtgagtc actgcaacta gttacttaca atgcttacct 300

gacgaagtcc ctatccaatt taaacacttc aaaggctatg gataatTTTT tttaaaatcc 360
 ccactacaac ctcaggaaaa aaactgacaa aagaaatact caggagtttc acaattaaag 420
 gaagcctcaa aacatgggga aaagatatgc aacctcatan ggggatcaga aaatgcaaac 480
 taaaactgga accaaatncc atttataact tccaaaangc cgaaantcaa aattcagata 540
 cctg 544

<210> 6889

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6889

agaaacaggg tctcgctttg tcaccaggc tggaatgcag tggcatgac atagctaact 60
 gcaacctga acttctgggc tccagcaacc ctcccacctc agcttcccaa atagccagga 120
 ccacaagtgt gtatcaccac acctggataa tttttatTTT ttaatTTTct gtagagacag 180
 ggtctcatta tgttgcccag gctggtctca aactcttggc ctcaagcagt cctcccacct 240
 tggcctccca aagcactaga atcacacata agccactgca cctggccttt taatgntTTT 300
 tataagtaca ctgaaaaaga agtcaaaaac tgtggcaata ggttgggatt aaagatagaa 360
 aaaattgggc caggtgcagt ggctcacacc tgtaatccca gcacttttgg gaaggccaag 420
 gcgggtggat caccgaggt canggagttc aagaaccaac ctgggccaac atggngaact 480
 catctntact aaagatncaa tanctgggca tgatggggca cacctggaat cccatntTTT 540
 aacaagna 548

<210> 6890

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6890

aagtctctctt aagtcaagta aaacagaaat ggcactttct ttttagggtt ctcccacaca	60
gctgcactgt cttccttagc cagcagagga cacccttcag cttacaaaga ctcaccgctt	120
tcttctggat gaaaatttgt gcatccttca ggtggccggc aatgttctca cacagacgtt	180
tcctctgttc ctcattcagc acgttcacat agaatgcccg cacctgctca gagaaaagag	240
caagtgcaga gaattgaatc accagtttat caccaacaaa attcacctac tacaacactt	300
aggaaatcaa tgataaaaaa aactttagaa gttagaata attttaaatt ttaaatttgg	360
gttgtgtcct tcactttttg nttaagcaa aataagtaaa attcatttgn taatagctca	420
tacctgcttt ctaataatat cctttatagg aactgctata aatctcttat aaatagatct	480
acaatttaaa acctnaccac attcntaatc tggccaggct naaatgngcc agctggcttt	540
gaaggnaacc taacc	555

<210> 6891

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6891

agcaataagg tcttatcatg cctaggctgg tctcgaactc ctggactcat gcaatcctaa	60
tgccttggcc ttccagtgtt gggattacag gcgtgagcca ctgcacccag cttgaagatg	120
gcagttttct tgtatgctca cacagcacia agtgacctcg ctctagtctc ttccctttct	180
tataaggact cgatctcatc ggcgagcccc accctcacga tctcacctaa gcctagtcac	240
ctcccaaagg cccacactcc taataccacc ctcctggggg tcagggtttc aacatataaa	300
ctttgggggg ggacacaaac atgcagtcct taacaccatc gtcattggaga tggaggccac	360
agacctacca acaccataa cctcaagggc actggtgggg acagaggggt cttaccacgc	420
actgncatgt ggcagaagtt ctccaacatt atgnctctgt agaagccttc aggcagcact	480
taagaattgg cacttctctg ggganggcac taccatctt aaggccacia gnttctggaa	540

caacaaaact

550

<210> 6892

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6892

```
cctccaaatt tcaaaaagtt ttatittgaa agaatgagag aaataaaaca gagaggtatc 60
aattaccaag aacaattaca ctgaagaaaa cacaataata agtactcttc ccacacaacc 120
ccccccattt ccccatccct ggcacaataa tattaaaacc accaaagcac acctaacaag 180
gaaaaacaac agtacgtaat gaaaaaagca aatgtccata ctgctcagtc caactaacc 240
ttatgaaatg tccttcccc agctaaacc taccactgg aatgataaag aaatgtagag 300
acaaccctag gggagacttg gaactctgct tatactagca aagctcagtg aagaatcagt 360
aagagtagtg aatctgtttg gcagtgaac actggatata gcttctttt caaattttgg 420
atgattgcag agaacaggta gagtttgagg ctcacagact tctaacaggg ctggatccct 480
gttcccttaa ccgtaacagt ggagcagctg gcnaatcctg ggttggctgg ctgaaaatag 540
tggaagtgag gcacctt 557
```

<210> 6893

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6893

```
ccaaaaggag agttgtgtct ataaaatgca tgactagttt atgtagctga taaaatgtct 60
ttggtaatgg tttttcgaga agtctctgaa aagttccaag aacagtagca ctatttgagt 120
cactcaatga ccatttaagg ggattacttt gaatggaatg ccagaggcat ttcaaactcc 180
atatggctca aactgaactc atcatttcca ccataaacca agccgtcttc ccctgtctct 240
```

ctgcaagggg tggcccactg ctcaccaat ctccaaggtc agaagtaagg gccatctttg 300
 gctctttcca caccctcccc taggtgcca cagtactgt atcactgcat cctgtgaatt 360
 ttgcccata agtgatactt gaatttatct ccttttcccc acccaactct tactgccttc 420
 acttaatcca agccctcagc atctcttacc tggctactg gaatggcgca taatttgnct 480
 ctctgcatcc aactctggnc tcttctcaaa tccatctttt aaggtggccc aagggtcaaa 540
 catgccaatt gacat 555

<210> 6894

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6894

aaagagacag ggtcttgctg tcaccagga tggactacag tgaaggatca tgggtcactg 60
 taaccttgag ctcaaggggg tcaagtgatc ctccccctcc atctcagctt cccaagtagc 120
 caggactaca ggctcatgcc actatgcca gctaattttt tatttttttg tagagacagg 180
 gtctcgttat gtcgcccagg ctggggattc tctcaaagat ggtattacaa gcatgagcca 240
 tcacgcccgg ccaagttata ttcttttagt gctcagtcgg taaccttgg agtcgtcctt 300
 gacccttctt ctacctgact gctctcaaaa gtctagaatc tggtcatttc gcactaccgc 360
 cactattact accctgattc aagtcacctc gacctttaac ctggataaat gcagtcaatg 420
 gcctactaac aactcttatt tctgcacctg ctgcatacag tcaacatagc aatcagatct 480
 tttaaaacac aagttagatc aactcactgn ttactcaaaa ccaactnatt caaaggncca 540

<210> 6895

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6895

gagccacctc gccaggctac caagtctcat tticctgggtg acctgttcaa aacagagtca 60
 aaatggcaaa ttttaagacat cctcctttat acaggactct ttcaacacag tatagctctt 120
 tttttttttt ttttttttga gacggagtcc cactctgttg cccaggctgg agtgcagtgg 180
 tgcgatctct gctcactgca acctccgcct cccgggttca tgccattctc ctgcctcagc 240
 ctcttgagta gctgggacta caggcgcccg ccaccacacc cggctaattt ttgtatttt 300
 tagtaganaa tggntttcac cgtgttagcc aggatgggtc caatctcctg acctcgtgat 360
 ccgcccgcct cggcctacca aagtgctagg attacaggcg tgagccaccg caccggcca 420
 gctcttctta agagaccctt ggtgggggtg ggtagctcac acctgnaatc tctgcatttt 480
 ggggtgtcaag gcanaaggaa ctccgacct cgggngaact gnccncttgg gcttncaag 540
 ggtg 544

<210> 6896

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6896

ctgtgagaag gagtttcgct cttgttgccc aggctccagt gcaatggcgc tatctcagct 60
 cactgcaacc tccgcctcct gagttcaagc gattctcctg tctcagcctc ctgagtagct 120
 gggagtagag gcgtgcttta ccacgcccag ctaatttttg tatttttagc agagatgggg 180
 ttcatcata ttggtcaggc tggctttgaa ctctgacct caggtaatcc acccgctttg 240
 gcctcccaag gtgctgggat tacaggcatg agccactgca cccggccaac tatttctttt 300
 tgttgttgtt gttcatggtt ggcaaaactc tggccaaggt gtggccaaac cacaattcaa 360
 caagtcctgt ctgcttgccct acgttgagaa cttggcataa agggtagaaa aaggagagcc 420
 aggcatgggt gtgcgtgcct gtagcctann caggangnta angcanggat tgcttgancc 480
 caggagttca agggcacag 499

<210> 6897

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6897

```

agatggagtc tcactctgtc acccaggctg gaggcgcaatg gcacgatctt ggctcactgt    60
aacctccacc taccagggtc aagcaattct cctgcctcgc ctcttgagta gctggggacta   120
cacgcgtgtg ccaccaagcc cagctaattt ttgtatTTTT agtagagatg gggtttcacc   180
atattggtca ggcttgtctc gaactcctga ccttgtgatc cgcctgcctt gacctcccaa   240
agtgctggga ttacagggtg gagccaccgc gcccgggcca ttcttcctaa agataagaaa   300
cgcctgtagc aaaaaagcaa aggcctcttt ttatttggaa atattggggc caaataaaca   360
taataaaata ctccatgact cagaaatata cttctttatg ctgtggcaaa tgcaaattgc   420
ttgttcacat ggccagccac cagccatgtt ggatgcccct ttatgcattt cacctctaac   480
gcacgtacac gctatactga ctnttcagt agatgacggg ccactattca tgccaacgtc   540
ttaaggcctg gcatgt                                     556
    
```

<210> 6898

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6898

```

gtttgagaca gagtctctct ctgccacca ggctggagcg cagtggcacg atctcggctc    60
actgcaacct ctgcctccca ggttcaagca attctcctgc ctcggcctcc tgagtagctg   120
ggactatagg cgcctgccac catgcccggc taattttttg tatttttagt agagatgagg   180
tgtagccag gatgggtctc atcttccgac ctcatgatcc gcctgcctcg gcctcccaaa   240
gtgctaggat tacaggcgtg agccaccgtg cctggcccaac ttctattttc ttagttgcaa   300
agtgtgaacc tgattaacta gagaaggact ttgtaatgct tatgctaaaa tgaacacaat   360
aaatagctga actccagttt tggtttcaag atgtataagc aactaagcaa aaatcactat   420
atctgttttg aaaaccaaca tattctttta agtatttctt tttttgtaa ggaataattt   480
    
```

tattttctaatt ggtaaacttc taagtcaaac catcttnttc tgaaccctaaa catgcatact 540
attcttgntt cttggg 556

<210> 6899

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6899

ctttgtggct aatgctgttt gtgtgtttct atgaaatctt tgcctagctc aggtccagga 60
aatattcttc tatattttct tctagaaact tttagactta agattttata tttaggtcta 120
tgtgccatct ataattactt ttgtgtgtat ggtatgaagt atcaagattt atttttttcc 180
tatatggata ccaagttttc taggtctggg ggttaaaaca attttccttt ctccattaca 240
tcactttggg gccttttttg aagatcaatt ggccatactt gcgtggatct agttctggac 300
tccgttctgt tcttttagtc tatttgttta tctctcact atcctaaata atgtcattta 360
aaagtaagcc taacactgtg ctgctgtcac tgtccacca aatttgatgg gcaaatttag 420
gtagaaaatg attctttctg tgaactttca agcttctgat acaagctgca atatcatgga 480
ttaattacat gacagcatag gataatgaat gagaaaaagc ccttggaac caaccaatnt 540
gaatttgaat ccttt 555

<210> 6900

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6900

caatcaatct tttttattta aaaatccacc taaaaattca cttctgggtt ttagtttttg 60
tttaaaaaga agcaaatttt taaaagcatc aaatgttact agtctacaat tcattctgtt 120
atgaacattt ttagtttgag gattgggaaa ataaacctat tacattgatt aggcacagta 180

ctatggccaa tgggccagaa atcagggcac atctgtgtac tcaggcaaca gttagaggtc 240
 tgaatggagg gggatcatgcc tcaactgtgg gcactccttt ctctatgccc cctccaaaaa 300
 ttgttataag tctcaaatca gtacatgaga ttgtatgtaa cttgggttaa aaacaactat 360

 aegtgettte taaattatgt tgcaaagcca agacagacga atataattgt agcctcacta 420
 caacttgnng tcttaatatc tatgtcacag gacatgtta tanggtgaga cagaattatn 480
 ccatcccttt ggggggttca aaaatctggg tggaaggagt ccatgactnt accatttcac 540
 attggaccan ggttccaatt 560

<210> 6901

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6901

gggaagtgt aacatgtatt tattccacaa ggtgggagat ggggtgagga gatgatcacc 60
 agtaagacgt caccaaatga gacactgcga atccacacaca gggcaagggg gcagctacag 120
 ggttcagctc tgggcagggc ttggccaggg acagtgtggg gaaaaagaga tggggactgg 180
 gagatgggac agcctcccat cgggggcacc ccacagggca gggctgagac acatccttcc 240
 ggccagtgc atggggccaa acccacacc ttctcatccc tcgtcccat ccaggtgagt 300
 aatgaagcag caagcccaag gccacacagc taggtcagca tcgtcacaca ctccggaacg 360
 cacagccaga cacacacaca cacaccctgc cagcacagc acgcaggcac acacacaatt 420
 gtgcatgcac acgcgttcat atattaactc tgatttatat gtgcacccta ccaganggca 480
 atcgaaaaaa atctcttttag agaggaaacg actggctttt tccttggtcaa ccnncaaaaa 540
 cgtggggggg aaann 555

<210> 6902

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6902

cagtatatag aaaatttaat atgaaatcac ttaaaatatt tcaacattaa gaagtccttaa	60
tteagtgect tggcatgaga catttaaaag catgtttggg tctaattcca aattagtcca	120
ggggaacaga aatagctgaa aatttatgta tatgtgtatg tatatatata tatacacaca	180
catctgtata tacatacatg tatatatcca aattatatac atataaagat atttgtagat	240
tcaagatata tagggattat atatctatat atattatatg tgtgtctatt tatacagata	300
tatatatata tatattcatc tttctgtgtg tgtgtgtata tatatccaca cacacatata	360
aaatctactg ttgcttagtg gtggaattct ctaattttac tcatacgcat attttgga	420
gcttatctcc aaaaggggca cattaatcga catggaacag aacccttctc ttctacttta	480
attaatttca ttttaaatata atnatttcta ttcttccctt ttaactanta atagccccct	540
ttaagggtgg gaa	553

<210> 6903

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6903

ggagacagag tcttgctctg ttgccctggc tggagggcag tggcataatc tctgggtcaat	60
gcaacctcca cctcctgggt tgaagtgctt ctctgcctc agcctcctaa gtagcttgga	120
ctacaggtgc gtgccactgc acccagcccc taaggggtgc tagctttggt ctgggaaaca	180
gtgaaatgaa aaccacaagt cacaaccac aaccaggcaa agttctgtgg ggccctccga	240
tgcattcaga gcacactgtg gggttggtat agtgaacct gaaaggctcc atggagatgt	300
tgatcttcac agtcccaaag attctgttat atccatgagg gatgcctccc tttcccata	360
ttcctggaat tgagtcctct gtgcatcca gatttcaggg gcacagtaca aggcacagcc	420
ctataactga cacatgatgt aaatcatata tggaagatgt tctgatgtcc atganggtcc	480
aagancggct aaaaaattgg actgattgaa ttccaagtgg tgganaggnt tccactagca	540
ttttggataa anctctcaa	559

<210> 6904

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6904

```

ctctaattctt gtcttgacac ttcatttcat taagtcaatc ttctacctct gatataccttt   60
tttctgctag attgattcag ctattgatac ttgtgtatgc ttcacgaagt tctcatgctg   120
ngtttttttag ctccatcagg tcatttatgt tcttctctaa actgggttatt ctagtttagca   180
atttctataa tctttttttt aagattttta gcttccttgc attgggttag aacatgctcc   240
cttagcttgg aggagtttat tatccacctt ctgaagccta cttccgtcaa ttcatcaaac   300
tcattctccg tccagttctg ttcccttgct ggcaaggagt gtgatctgtt ggaggagaag   360
tgttctgggt ttgggaattt tcagcctttt tgcgctgggt tttcctcatc tgcattgggat   420
ttacctacct ttgggctttg aagggtgnga ccttcanang ggggttcttg ctggaaggcc   480
ctttcgtnga aggtgaagct attcctttcn ggtccgtaag tttnccttct gaaagcangc   540
ttcc                                                                    544

```

<210> 6905

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6905

```

ctttttaaac tcctcaaact accttccac aaagccattt aagttaaatt gtacattttac   60
agactcacct acatgaagga tataacttaa aacatctgct tagacacata cgttctgttc   120
agatataaaa aatgtggcaa aaatttttaa aaatatagga ccactatatt cttaaaatgt   180
gtgttcttct gtgtgtgtgt gttcattcat tcaagagatc tttgactgca attaggtagt   240
cggctcctata aaggcttcct tgtgtgacga taatttctaa aagtaaaatg ctccagttaa   300

```

tattttctgct aaataatcat atcttaaaat tacttttaaag aaattccaat ccctcatggt 360
 acattaagca ataatgccag tttccataa tatgccttag ttgtaccacc ttattcaggg 420
 tcgacaatta attaggaaga caaaaagtat aaatcgcggtg tttattaagt agcagacaaa 480
 ttcttggctg gctcaacata ttacnntaaa gggggtnatt tctaattttg aaataaatag 540

<210> 6906

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6906

ccttttattt ttatttttta ttctattact gggtaacaat ctacttctca gcttagaatg 60
 ctatagaaag cctccacatt taatttaatc aaatctgaaa cccaataagc ttaaacaaag 120
 tgaatgtttt tcaaagtgcg taatttccaa ctcatccact tgcaatattt atccaattcc 180
 agttcatcag caagaaaata aaatgtactt ggctataaaa atactgagga atgttatcga 240
 aaaggaaagg ctatttggtg gaagtaacta caaaaataat tagtttaaat ctttgtaaag 300
 ctttaagtga agaacatcag tacactttct ttacataaac cttaaagcat gatcaatacc 360
 aagatttcaa attttcaact ttcaagtact tgaaaaaggg ttgcaacaaa gtgtctcttc 420
 ccaaaaaagc aagaacagtg atcatgcagg tggttaatctg cagacatctg angacactgg 480
 gtatctgngt tggctgcatt ctggcttcac tggganaaaa tggtaggcca ggcnttactt 540
 ttgaa 545

<210> 6907

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6907

aatattcaaca ggtttttggg gaacaggtgg tgtgttttggg tacatggata acttcttcag 60

tggtgatttc tgagattttg gtgcacccat cacccaagca gtgtacacta tatccaatgt	120
gtagtctttt atccttcaca cccctccac ccttcccctt gaagcccca aagtcactgt	180
atcattcttt ctttttgaga cggagtctcg ctctgtcacc caggctggag tgcagtggcg	240
tgatctcggc tcaactgtaac ctcacctccc aggttcaagc aattctctgc ctcagcctcc	300
cgagtagctg ggattacagg tgcttgccac cagcttgggt tttcattcct gagtctcttc	360
atntagcata atggtttcca actccatcta gattgctgtg aatgccatta tttcgttcct	420
ttttatggct gagtagcatt ncacaagata tataatgncac gtttctttaa tttgcttgg	480
gaatggatgg catnnggcta agttccattt ttgcaantgg caaatggggc tggtttaaca	540
agggggg	547

<210> 6908

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6908

ctcagttcaa aggttttaaa agggagaacc tttgctcttc ttatagagat tcaagtctgc	60
atttctcttg attgaccaca agggacagac tgaaaaaaaa aataatagca gaaagtatgc	120
atgatgtacc ttgggaaagg atagtccgt acagatcccc tagacttggg ggaagtcttg	180
gggcaaacca aaatgaaatt aagactacac gtctcaatat atagtgaata gccttgagaa	240
ggaatgatct tgatgtcaca ggaactttgt aattagtcca ctgggaaata attgtttaca	300
ttttcaaata agtaaataaa tagacaataa tagtcgctgg tcccatagga gtagggattt	360
tgactcactc tctgtaggaa ttttcttata tagtattgac ctactatgac cctcaattcc	420
catacactat cccccggcat attgatattt acaacccttg gngggattgg tgaatgaaga	480
catttatatt accctggatg taggtgcca ttaaggaaaa ntggatctct gaccnctggn	540
caatgaa	547

<210> 6909

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6909

```
gtggcagagg ggtccagggg ggacaggggt tggacacacc tgtcaattcc agtctgatgg 60
aaggcccctt agaggcagct acccacacag agtgcagagg ctgacagggt gacctgccta 120
agaaatctcc ctcagccgag acctaagggc ctctagaca catgcacgcc ttgggatctg 180
tctcctggga gctgtgacag attaatggga aacagatgat gtgaggttct tatctgatta 240
accacagag ctcattctta cctagaaaac agaaccacag gcagaaacag gtcacagact 300
tggggtataa aggagaggag gttttttatt tttattttta aaggaccaag cactgggagt 360
ctcctgctgc aaggggagac tcagtgtcaa acccatctca tgctgaggct tcagttggcc 420
actcangaac ctttgcaaca aggatgaaca tcttttggaa gaatgagana tgggttncaa 480
ggctttttgg agaatcagag gatcctggna ttaaaagaac cgnaaatngg aaatggggat 540
actn 544
```

<210> 6910

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6910

```
ggagacggag tctcactcga tcacccagge tggagtgcag tggatcgatc tcggctcact 60
gcagccttcg ccttctgggt tcaagtgatt ctctgcctt agcctctcgg gtagctggga 120
ctataggcat gcgccaccac gcccggttaa tttgttatgc aacttttaga tggctcaagt 180
catggataaa ctgagactat ttagactaga gaactggatg ggcttgacag tcttccatca 240
ataccactat tctcaatggg ttctgacaag aaatgagctg caaatgtctt taggttattg 300
cctctgtcta ggtccagaat tgcatatatt ctacactgtt tgaaggtaag tttgtacact 360
ttcaagatca gatgaatagg ctggcaattc taaaagtiga ggattcctgt aataattgag 420
aagccaatcc aaaaatcgng ccttgcagga agcatccact ttccagntnc aagagctaan 480
```


aggcaaatcc aagnnttctg gtcttcatga aagggtggaac ttaaattcccc caatngg 537

<210> 6911

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6911

gtgggcaaag taggaggcaa atggaagttg aaaaacaggc tttgagtaac aactaatTTT 60
 gttagaatca tgaccctcat tgagaacatt cacctcccaa acattggtat acgcactgca 120
 gcctggtcat tctaatttga ttcaacattt aatcattatt aatgcaagta ggggaagctc 180
 ttaaaaataa gtttctatct tcttaacttc ctttaagact tcaagctaaa agggctctaaa 240
 attcctttta atcactgtaa gtcaaaatcg ttttctgtgt tgtcaaagag tcaccaatga 300
 tttgtttatt gagcccttcc tgtgtacaaa cacgggtggca aacacacaat ggtgtaaagc 360
 ctcatccagt catctttaag gagcttgcaa gagaactgag atctctttga gtgcctatac 420
 aaccaatctg nttttcactt tcaatacagt attcaataaa ctacatgaga tatttggagc 480
 ttttaatacaa aataaggctt tttggtacat gaattttgcc cccattggaa ggctaaatgg 540
 caggn 545

<210> 6912

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6912

ggctccattt gttttaattg gacccttttc agcctggggc tccccccagc ccccaggcta 60
 cggcctggag gngtctntgg ccagccacag catccagctg ctggctccca natctgtcca 120
 gttgcccana gggaanaagg gcgggtgggc anaaggaagg ggctggagac agatcatcag 180
 ccttcccacc caccctgggt ggggccctcc ctgtctccan aaaggnggcc caggggcgcc 240

agtctagcca cccagaaat atccaaggca ctggcggggg ggcaaccct tacagccagc 300
cccacccggc tatgtggctg ttgtgtgcct gttggtcaaa cgcccggcca cccggctntg 360
agggccatca gtgggggctg gcctgggccc ttcagctgcc ccgttcttta actgcaaaag 420
~~gttnccttggg cccgccggca ancttcttac ttggaatctg aatcttntac aatcantacn 480~~
aanggccttt tccattngg 499

<210> 6913

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6913

gagacggagt ctcgctctgt caccaggctc gaggcagcg gcgcaatctc ggccccctgc 60
aaactccgac tcccagggtc aagcgattct tctgcctcag cctcccaggt agctggaatt 120
acaggcacgt gccaccacgc ccagctaatt tttgtatatt tggtagagac ggggtttcac 180
catgttggcc anaatgggtc tgatctcctg acctgtgat ccgcctgcct cggcctccca 240
aagtgtctggg attacaggca tgagccacca tgcctggcct ggtctctact ttttaattgtc 300
acagccttaa ttcctcttcc tgtaaaatat atatagtttc ctattgacac tgtaatacat 360
tgccacaaat tacataactt aaaacaacac agatttatatt tctgacagtt ctggagggtca 420
nacatcctaa aatcaagggt ttggcaggac tgcgttcctt ctaaagctca ngggagaatc 480
tgggggctgc attttcagct tttanaaggc ccttgcatte tttgggtt 528

<210> 6914

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6914

ggagacggag tctcactctg tcgcccaggc tggagtgcag cggcacgata tcagttcact 60

gcaacctccg cctcccgggt tcaagcgatt ctctgcctca gcctccctag aagctgggat 120
 tgcaggcatc tgccaccacg cccagctaatt ttttgtatct ttagtagaga tggggtttca 180
 ccatgttggc cagattggtc ttgaactcct gacctcatga tccacccgcc tcggcctccc 240
 aaagtgttg gattacaggc gtgagccacc gcgcccggcc cagctctaga ctgtttttaa 300
 gggcaccctt tccagttact ttttcccttt taacacacgg tgggagtca aatctccaaa 360
 agaggtttcc atgggggtcag tgggacgaaa gctccttgcc acctctagt aaacgcggtc 420
 cttgacacta gcacggcaga ccagatggag tggacactga gctctgacac gcaagcccag 480
 ggaacccggg gaaggaactt gnatgaactt acaggcaaac cgtagcagac tgggaanaag 540
 tttgangggg accgnaa 557

<210> 6915

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6915

gtaaagacag aatcttgttt cactatgtta ccaggctggg cttgaactcc tagcttttaa 60
 tgatcctccc accttggcct cccagagcac tgggattaaa ggtgtaaacc accacacctg 120
 gccttcagag gttctttata tattctgata cacatcttta atcccttgta aatgctggga 180
 atttctgttt ttttaactca ttctgtggct tgnctattca ttttcttaat gctgtctttt 240
 gatgagcaaa aactatgaat aagacctatt catcaaattt tcttttgaga ttagtgctgt 300
 gtcctgtcca acaaatectt gctcagtttt aaaagatttc ttcattgtaag ctctgctatg 360
 gtttaagttt atttctagat aagtgatctt tttgntaatt ttctgaatgg gtttttctct 420
 tccactatac tttataatta gntattggtc agatnaagaa aaactatagc ccgggccttg 480
 tggctcatgc ctgnaattnc agcactttgg gangnccagg cggccggaca nctgggaaca 540
 ggagttggga ncc 553

<210> 6916

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6916

```

gacagtcttg ctctgttgcc caggctggag tgcaatgata ggatcttggc tcaccgcaac   60
ctcctcctcc tgggttcaag caattctctg cctcccagat agctgagatt acaggcacgc  120
tccatcacgc ctggctaatt ttttgtatth taagtagaga tggggtttca ccatgttggc  180
caggctggtc tgtaactcct gacctcaagt gatctcaagt gatctgcctg tttttgcttc  240
ccaaagtgca ggaattatag gcatgagcca ccgtgcccag tcagaaaaca catttttaaa  300
gaacaatatt caaggacata atataaaaag tataatttgt cagaatcaga aacttctgaa  360
gtatcaaaca ctgcatttca ggcttagtca ttcagttaat cttttacatg aaaatcattt  420
ttacaatcag agctaatttt ttgcaaagta atctcactaa tttttaaccc aaatttgata  480
ttctgnccca gatcngaaaa aggtgagaat actgaaattg natntaaaag ggtgactaat  540
cattgactaa gnggacta                                     558
    
```

<210> 6917

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6917

```

cctgggacgg agtctggctt tgtcgcccag gcaggaatgc agtggcagga tctcggtca   60
ctgcaagctc cgcctcccag gttcacgcca ttctcctggc tctgtctccc aagcagctgg  120
gaatacaggt gcccgccacc acgcccagct aatttttttg tatttttagt agagacagtg  180
cctcaccatg ttagccagga tattctggat ctctgacct ggtgatccgc ccacctcggc  240
ctcccaaagc gctgggatta ctggcgtgag ccaccgtgcc cggccgaaaa tcagttaact  300
cttcttagac ccaatagaga attgaggttc agggcaaact gctgctccca aaactggaga  360
gagatgtgac tacagaaaac cacagctacg ggtatcacia accccagcaa gagaaacaaa  420
cagctggagc cagtatccat aggaacactg taatgtaaht tgcttggagg ttcaacgtgg  480
    
```

actagcttga gaattaaaag ctcannggat ggcaagctgg ctgggggaaa naccgaggaa 540
ctttctgg 548

<210> 6918

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6918

gcttttgaca ctttatccgt ttttatttaa aaacatgcta aaaacatggt gttccataaa 60
gccaggacca ggatgaagga acgcacagat acggcaatgc aagcagaaag tgcatctgaa 120
accaacaagc gtgctcaccg tgctctccct cccgtgctgc ccgggggcag gcaggtgggc 180
aaggaggggg caggaagccc cccaggcctc acctcctgag tccccaatca gggcagggag 240
gccaggcccc accctggact attgactcac tgcagtgggg aggaggaaag tgtggggcac 300
gggaacacaa gggctggccg gactctgaga agctgaggga caaagaatgg accccaaagca 360
cctcacgcc agctcccatc ctatgccacg tcccttgcta gttagcacct tcaccagtgg 420
gtggccaggg ctggaaaagg aaggggacag atgtcctctn tttccacca tnccttaacc 480
ttaaggga aaagagtaaa cccttaagga aatcacccca gtaaaaagtt ccaaatacgaa 540
atntaacctt aacttatattg agna 564

<210> 6919

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6919

aagtctggga attgatttag gggtattcac actttcaatt tttccaagta agaataattaa 60
gaacaaaaag taccataatt ccactaaaat agctgaaatg taaagacaga atcaactact 120
gatacacaca acagcatgga tgaaattcaa aagctttttt ttttttttt tttgagacat 180

gatctcactc tgtcaccag gctggagtag agtgggtgcaa tctcagtttg atgtaacctc 240
 tgtctcctgg gctcaagcaa tctcccacc ttagtctcct gagaagctga gactacaggt 300
 gtgcaccacc atgccagct aatttttttc atattttttt ggagacaggg ttctgccatg 360
 ttgccagggc tggctctgaa ctcccagact cgagcaatct gcctgcctca gcctcccaaa 420
 gtgctgggat tacaggcgtg agccaccaca tccagcctca aaaacttttt tagnaagtaac 480
 agaagtctgt tgtgaaaggc cntataattc tacctattga acattctaga aaaagcngac 540
 ttttaatngg gaacccatcc 560

<210> 6920

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6920

gagatggaat cttactctgt tgcccaggct ggagtgcagt ggcgcaatct cagctcactg 60
 caagctccgc ctccgggggt caccattttt cctgcctcag tctcccaggt agctgggact 120
 ataggcacc gccaccatga ctggctaatt ttttgtattt ttagtagaga cgaggctctca 180
 tagtgtttagc caggatggtc ttgatctcct gacctcgtga tctgcccgcc tcggcctccc 240
 aaagtgctag gattacaggc gtgagccacc acgcccggcc cacaatactt taatttttta 300
 aaagcacctt ttgtatgtgg aacttgtcaa aagccctgca aaagtgtgaa gaattttatc 360
 tatgtccct ttctaactct caccatttat cattgacttt tacgtacaaa aaactattta 420
 ataccttctt atgtctgttt caaaaaataa ttttaagtga tcttctgaat ccttttctaa 480
 gaccatggaa aataatttca tcttttgnt acctttttca cccggaaata tctttctgga 540
 acatctttta nggggag 557

<210> 6921

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6921

ggtagagaca gggctcttgct atgttgccctg ggaaagtctc aaactcctgg cttcctgctt	60
tggttcecca aagtgttgga attacaggca taagccaccg tgccctgcca ttgttaatat	120
taaatgtact tcactgaatc ctaatTTTTT ggaaaactga tcagaagaca ctatctatgt	180
atcacatatg catatataaa tatccacaat caccataatt tgtgtatTTT actaaccagt	240
ttaatacagt tttctggctg tatgagagtc aaaaatcaca taaaagctt cataaacata	300
tcaaaataat cttttgattg cattagggaa cgtaaataaa agagttcctg gagatattaa	360
gaaattcctg gagactccct tctgggaaaa gcacagaata gtagaaaagg cagtggggct	420
atgagttagg tgctggagtt ctagtcttgg ctccctaact actggcttga cagcaacttg	480
aacatattca aatctcttta agctttagtt tctctctata aaatgaagaa tgcngattan	540
ggaactctat tagnccccac c	561

<210> 6922

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6922

gttggtgttg tttgtttgtt tgttttttac actgaggcat ggtctctctg tgttacccag	60
gctggagtac agtggctatt ctcagttaca atcacagctc actgtagcct taaactctta	120
gctcaagcaa tctctctgcc ttagcctcct gagtagctgg gactataggc atgtgccact	180
atactcagct tagactgcta tttttaatct taaattggct gttatataag caggctcttac	240
cttatataca aacttcttaa aggctgagct attttacaat agctaaatac aatagcacca	300
agttgagtcc taagcatata aaagaacatg gatattTTTT gaatggatct gaattttaca	360
tatatataat aattgtgtca tttactatTT taaaacatt atgtgattac attttcagca	420
tataagctaa tgacattaat ctaggcataa catctaaca agaaatggta agcagtggca	480
acataaacac aatttatatc ctaattcata ggactttatt tttattcctg aaaaaccatt	540
aaacattggn caaa	554

<210> 6923

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6923

```

ctttttgaga cggagtttca ctcttgttgc ccaggctgga gtgcaatggt gtgatctcgg 60
ctcactgcaa ctccgcctc ccaggttcga gcagttctcc tgcctcagcc tcccaagtag 120
ctgggattac aggtgcctgc caccatgccc agctaatttt ttgtatTTTT agtagagacg 180
gggtttcacc atgttggcca agctggtctc aaactcctga cctcaagcga tccaccaaac 240
tcaacctcct aaagtgctgg gattacaggc atgaatcaca aggagatttt ccccccttat 300
gctcagcgct tctccttgct gctgccatgt aaagaaggat gtgtttgctt ccccttctgc 360
catgattgta agtttcctga aacctcccca gccatgctaa actgtgagtc aattaaacct 420
ccttccatta taaattaccc agtctcaggt atgtctttat tagcactgtg agaacagact 480
taaatacaat attgncatgg catatgacag cactgactaa aagaaaagcc ncttatttac 540
agaatctncc ttctntnt 557

```

<210> 6924

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6924

```

ataacatatt taatttaatg cataaggtat aatgaactgg ttcagtttaa cacaattacg 60
taagattttt aatattatga acaacctgtt tggttaacaa gatagcagct ataaaactat 120
aatgtttagt ttgtttctcc tgcagactca gaaaataaat gttttctttt tgctttgcat 180
ttataaactt tttgcaactc aaaaaatctc tttcagtatt caattttaat taatctagcc 240
taaagtataa tactcagcaa tctgtactat tctgacttta aaatcatatc aaatattaat 300

```


aacatatatg ctcttaagaa agtacctttc ttgttaaata caactgacaa aatattcagc 360
 aaagtgtgta caatagtgcc ttgtatacat gtgtctttct agagctactt cagtataatt 420
 taacaatcat tgcacaatag cagatgtata atagtttcca tataaactat tatctaagct 480

 gtaaaatag gacatagtca gcaaatcatt tctgagaaaa ggcatagatg gttatttcca 540
 actatctctt ttaggg 556

<210> 6925

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6925

aaatccaagt caaagaataa ctacagctctt tacagttatt taaatctgaa aactatttcc 60
 ctgaaaatga aattttctaag taatatacga atcaacttaa ctagactgaa acatttaggc 120
 tgatcttact ttatccttta tctcagtatc ttacctaacg gtcttatatt tcaaagcctg 180
 acagatttgt ttggctggca tgatctgacc acttcctttc tatcgagaaa tacaattttc 240
 tcttttgttg ctgaaagatt tctgttcacg cgtatgaacg tgggtccgtt tacagatttt 300
 gaagtgtaaa tgtaacatg gagataatgc aggtcagtat ttacatctt attagatatc 360
 tatataaaga agataagata gccgggtaca atggcccatg cctgtaatct cagcactttg 420
 ggaggacgag atgcaaggat tgcttgagtc caggagtttg agaccagcct gggcaacata 480
 gtgagacccc attatttttc ctttttttct ttgagacag agtctcactc tgnactcan 540
 gctanantgc aatgggcgtg n 561

<210> 6926

<211> 470

<212> DNA

<213> Homo sapiens

<400> 6926

aaatggagtc tcactctgtt gccaggctg gagtacagt gcacgatctt ggctcactgc 60
 aacctccgcc tcccgggttc aagtattct cctgcctcaa cctcccaagt aggtgggact 120
 acaggtgtgc gccaccacac ctggctaatt ttgtatttt tagtagagac ggggttttgc 180
 catgttgccc aggctggtct taaactcccg acctcagggtg atccaccgc ctcagcttcc 240
 cgaagtgtg ggattacagg catcagccac cgtgcccggc caaaacttct ttctaata 300
 tggaattggg tctgagaact aggtatgctc tacattttca cacaaaaaga attaaggata 360
 tggattctac aaaacatgaa catcctagag atagtggaaa aaacaaattc ccagtcgtac 420
 tcatttatca tacttctagt tctttctgag ggnntanggg gnaagggnnn 470

<210> 6927

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6927

gagacagagt ctcgctctgt cggccgggat accgatctag gctcactgca agctccgtct 60
 cccaggttca ctccattctc ctgcctcaac ctcccagta gctgggacta caggcgcccg 120
 ccaccacgcc cagctaattt ttgtattttt agtagagatg gggtttcacc gtggtagcca 180
 ggatcgtctc gacctcctga cttcgtggtc tgcctgcctc ggccttccaa agtgctggga 240
 ttgcaggtgt cagccacgac cacgcccggc taaccccagc cttttctaag agcagaaaaa 300
 tggatagatt tgatgagaga atcttatgag aatggtacat gaatttgat gtaaaatcag 360
 gttacaaatt aaagaggctt taaaagcaat gaataataa acacagccct gttaggctat 420
 tanganggcc ttggcaatga gaaaaantaa atattgaatt aanggataag natttcngga 480
 tttttgnaa ttcctgggc 499

<210> 6928

<211> 488

<212> DNA

<213> Homo sapiens

<400> 6928

gagacggagt ctcactctgt cgcccagggt ggagtgcagt ggcgcaatct cagctcacta	60
caagctccgc ctctgggtt cagccattc tcctgccctc agcctcgga gtagctggca	120
ctacaggcgg cgcaccac gcctggctaa ttttttgnat ttttagtag agacgggggtt	180
tcactatgtt agccaggatg gtctgatct cctgacctca tgatccgcc accctggcct	240
cccaaagtgc tgggattaca ggagtgagcc accgtgcccg gccaacatta aggagttatt	300
acagtgtgg tgtgatcag gtatcaataa gttgggttg tttttttaa aaagagtc	360
atttttaaaa tatgnactaa tttacagatg aaacggtatg acaactagga ttgcttccaa	420
ataatctggn ggganaagag ccnggagtta ccagaatagc cctgangnga aanaatgctg	480
ctgggnga	488

<210> 6929

<211> 567

<212> DNA

<213> Homo sapiens

<400> 6929

gttttattcc ttctgaacca catactttgt tctttttgtt tattactcat atacttaaag	60
agcagtgggtg aaaaaggccc ttagaaataa tttcatctac tgccctcagg aaatctgaag	120
cagatctgca ggcatatctt atctttgggt ttagcttct accctccta caatccata	180
catttaaaat tccaatgtat aagtcttgct ggcttcatta caatccacct cagaataatt	240
agacacagag caaattgttg gataatccaa ccttagttat attttcttct cagtccatga	300
gacaaaaaag gattcaaca aaataaatac atgcttgaca aaaatgggac aaaagaagaa	360
acaaatgaaa ggaataatga acctataaat tttcaaaatc tataaacatt gaactaagac	420
ttgatgtact tgatatacct gctgncctaa aattgacttt catttctcac aattaatcgc	480
ctttctgntt cgacaaggtn ctaaaatcta cacaattttt cagnactgng taaacctatc	540
cctactaaaa gaaattttcc tcgaaga	567

<210> 6930

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6930

```

ctttnctttt tttttttttt ttttgagaca gagtctcgct ctgncaccca ggctggagtg   60
cagtggcgag atcttggctc actgcaagct cctcctcccg ggttcacgac attctcctgc  120
ctcagcctcc cgattagcta ggactacagg cccccgccac cgtgcctggc taattttttg  180
tattttttan tggagacggg gtttcaccct gttagccagg atggtctcta tctcctgacc  240
tcgtgatccg cccacgttgg cctcccaaag tgctgggatt acaggtgtga gccaccgcgc  300
ccggccagaa tatcatattt tcctactgtt ttccactcca ttggcaaaa gcctacaatt  360
ctttggcact gtattctact cagtgtgtaa ttacaataat tggcattaag ataagtngga  420
cggctgatat tctatttaat ttggacccca gggaaaanag aaaggtggtn aagaaacact  480
tcaaaaaaag ctttctaagg catattttnt gaataacctc cggttngnga ttccccaact  540
tgntttaang ggna                                                    554

```

<210> 6931

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6931

```

gagactgggt gtcaatctgt cgcccaggct agagtgcagt ggtgcaatcc tggctcattg   60
caacctccac ctcccaggct caagtgatcc tccgcctca gcctcccaag tagctgggac  120
tacagacgca cacacaaccc actacgtgcc aaccactgtt atgtgctgtg catatgcaag  180
ttttggttcg gttactttta ataacctata atactgagca cacaactgcc actcgtctcc  240
agggtctttt ggaacccaaa attcagagat tgctaggaat aatttacctt caaagtcaaa  300
taaaaccagt tagtcaacat tttttggata gtcaatttca gtaaacactt ccctgtctta  360

```

ctatctatga aagacattat gatacagttc atcaaattctc ttgcaaacat cacgatagac 420
gtggacttct ggcatccct aaaggngcca tgtatgactt gngctggggt ganccatggn 480
gnccatgggc attacccttn cctttggaac tggtaaaac atgggggcna ac 532

<210> 6932

<211> 556

<212> DNA

<213> Homo sapiens

● <400> 6932

gtaaagatgg ggatctcact ctgtttctca ggttggcttc aaacttctgg gctcaagtga 60
gccttcacc ttggtcttcc aaagtgctgg gattacaggt ggcagccact gtccctgacc 120
caggatcaca tcttaattcg cctttgtata cccacacagc acctccacac acacgtggca 180
ggtgatgggg tttccagaaa gtttgctgaa ggagtagaaa atccactgtc attttcacgg 240
ccaaagcctg acacctacag cttgagaagg aaggaattcc ttcccatgc ccctcagcat 300
atctcttgta cagggtccaag tgttctatt aatgctttgt ggcttaaact ttttattcct 360
tcaagttttt tgntttcttct cttccctgga acaagagtct taagngattt cactagtcaa 420
acaacgtaat gacacaatac tacaaccac aggtatctac tatctacagg ggnccctnacc 480
tttngcact tgaggaccag tttatgaaga cagtttttct atggaccang gttggggntn 540
gggggaaggt tnggga 556

<210> 6933

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6933

aatggctgaa caatacattc cacagtttat tttttcttc aacttttaag ttccggggta 60
catgtgcagg atgtgcaggt ttgttacata gataaacatg tgccatggtg ctttgctgca 120

cagatcaacc cactacctag gtagtaagcc cagtatccat tagctattct tcctgatgct 180
 ctccctcccc ccacctttcc ccaggacaga caccagtgtg tgttgtttcc ccgaccaacc 240
 ccacgtgtcc atgtgttctc attgttcaac tcccacttat gaatgaaaac atgtggcggt 300
 tggttttatg ttcttgcatt agtttgctga ggataatgcc ttccagctct atccatgtcc 360
 ctgcaaagga catgatctca tttcttttca tggctgcata agtattccat ggtatatatg 420
 taccacattt ctttatccag ctaccattga tgaaccattg ggttggattc catgtccctg 480
 ctantggnga atagnctgc aatggaacat aagttttcct ggtcttatta aanaaatatt 540
 ctnttgccaa agtntaa 557

<210> 6934

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6934

gcctatgtta atgtaaatat ttcaaattctt accatccagg aaaaaaaaaa aatctccaaa 60
 ttgcactgta accagggaga tataagaatc tggctcttagg tgtggggagt actcttccat 120
 taataaacia aaggcctact gtattattaa ctaagagaaa gtataatgtg aatcatgtta 180
 acattctaaa ataacagaaa gttaggacca tactagcaat gtgaactgtg cctgtttgaa 240
 aatttaaata ctcaggcact aagcattagc ctacctgaaa ctctaggatg aagtctagtg 300
 ctgtattctt tcttagaaaa tagcaacaca gagtaatagt aaataaaccc aggtattcac 360
 cagttaaaac tgtgaattga agtgtctcag tagtagatat ttatcatgaa gaggttgatg 420
 ccaagtggca nggaataggt taatcattan gantggagct caaaatatgg cagcctcacc 480
 agaaagacta ttattattct ctaagggttaa taagttgggg ancagttaag gaagccaaaa 540
 ttttcccccc aaaangggg 559

<210> 6935

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6935

cctgagacgg agtctcgctc tgtcaccag gctggagtgc agtggtgtga tttcagctta	60
ctgcaacctc cacctcttgg gttcaagcta ttctcctgcc tcagccacct gagtagctgg	120
gattacaggc acgtgccacc acaccagct aatttttgta ttttagtgagg agacgggggt	180
ttcaccatgt tgcccaggct ggtcttgaac tctgacctc aggtaatccc ctgccttggc	240
ctcccaaat gctgggatta caggcgtgag ccaccgcacc cagcccttca tgtagtcttt	300
acctcaaaaa ctcttccaat tcagaaatga ggtaagtata tcaatggcta caaggaaaga	360
atgggtaggt tttgcaaggg aaaaacatac tactgaggct caaaaggga ggggatatct	420
catgaagaaa ggaatgatca ggaaagttg tgtgaaaaaa ggaggaatgt ccaagaatgg	480
ccctggcana aggagaaaan tttaattcaa nttttaattc aagtttaaaa aacttcangn	540
ggnttaatgg n	551

<210> 6936

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6936

gctaaaataa ttaaggatcat cacatttcct ttccagtcta tttcaaccta attccatcaa	60
tttttgtttt catgacttat attagttgat tctaataagag gtgcaatgtt ctctgcacag	120
aacccaaatg caggacaggc tattatgttc tgcatgccag tcaaattacc aggcattctt	180
tttcttaaca tttatttcag tttcagggtg atgtgcacag gttgttttta tacataaatt	240
acatgtcatg ggggttttgt gtgcatatta tttgtcagc cagataataa gcatagtacc	300
taacaggttg tttttcaatc cttagcttcc tcccaccac ctccctcaag tatgccctgg	360
tgtatatgtg tctcttcttt gtgtccatgt gaattcaatg tttagctccc acttacaagt	420
gagaatatgt agtgttcatt ttctggctct gaattagttt aagtttctta gaataatggg	480
cctccatctt atccatgtgc tgcaaaggat agaattctca tctttttatg ntgggtanaa	540

tn

542

<210> 6937

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6937

ggcgaaagtg actagaattg gtctatgcta aagaaagaaa gaaatacaac atcataccat 60
tatttttagtt ggaagagccg caccaaaaat catgacaaaa aaaattgngt aaccataaga 120
aatccagtg gcttggttgt gttgatgatg ttaatgatct ctggctaaaa attcaagtaa 180
aagagtcaaa ctgcttaaag cattaataaa gcacagcagt gtaaggctctg caatgatttg 240
aaaaacacta agaacactct tcaatgtttc ctcattingca gactatcaaa catgatcttt 300
gaagtcaagg attacatcta cggtctttta ccaatcttga atatataattc tgttacaata 360
tagtaatgac ncaaagggat gtcacagaca aaaaggcaaa ctggcatgta attaaaaagg 420
ttacttttag ancatatgga tctaattctg gattaaaaaa atcttccaat ttttaaaatt 480
taaatncctc ctaatatatt ttacnttaaa actgnggtta ccatttttac caaaaatttg 540
g 541

<210> 6938

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6938

gagacaaggt ctactctgt tgcataaggct ggggtacagt agcacgatca cagttcactg 60
aagcgtcgac ctctgggct caagcaatcc tcccagatca gccttgcaag tagctggcac 120
atgccaacat gccagataa ctcttaatt tctgatacag actgggtccc actatgatgc 180
ccatgctaag atttcttttt taaatgctag aaatggatgt tgaagttaat atccctttca 240

gtatttatgg aaaggatcat atgttctttt tttaatatgg tagtattgaa ttaacagatt 300
 tcttcatttt gaaccatctt tatacttcca atacgaccct ctcttgtgca tagtccatta 360
 ttcaaagtgc tcgcagacac tatatggtaa aattttacac taaaatttaa cattaatatt 420

 cctacatata attctatagg tttatgaaag ctgncagcaa ttaaaaaata ttinactttca 480
 cttttgagan aatngnaaat tcncatggag ttgtttgaaa aaaggggaga ccccttttcc 540
 ctttaccen 549

<210> 6939

<211> 487

<212> DNA

<213> Homo sapiens

<400> 6939

ggagataggt ctcactctgt taccaggggt agagtacagg gacacgatca cagctcactg 60
 caaccttgac cccctgggct caggtgatcc tccacacctca gccacctgag aagctggggc 120
 tatagccgtg tgccaccaca cctggctgat tttgtactt tttgtagaga cggggtttct 180
 tcatgttgcc aagatggaca atggacagtt taaagactca caggaagcat gagtttccca 240
 ttccctagaa tatattactt ccctctggctg acagtgttac gtttttcaga gagaaaaaaa 300
 aggatatnca gaaaaaggga aaaatttaaa tattacatga nggaagaccc taaagngatt 360
 ntntcaaaag ctaaaatgtc agaatctgga atggacattt taccctattg ggaaggatan 420
 tattaaangt tggttgacna tnccgaaaaa atttgaatgc tncaggttg tactnggnaa 480
 tgtaaaa 487

<210> 6940

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6940

gagacagtct cactctgtca cccaggctgg agtgcagtgg catgatctca gctcactgca 60
 acctccgcct gccgggttca actgcaacct ccacctcccg ggttcaaagt attctcctgc 120
 ctgagcctcc cgagtagctg ggattacagg cgtccaccac catgcctggc taattttgta 180
 ttttagtag agatgggggt tcacatggt ggccaggctg gtctcgaact cctgacctca 240
 agtgatccac ccacctcgcc ctcccaaagt gctgggatta catgatgtga gacaccgtgc 300
 ctgggtggaaa gaggaatctt ggctgggacc ctagcatcnt ctagggaaca gagaggttgt 360
 gattaagagg tatctggaag aaatcttggt gaaaggaagc acttgTTTT aatccacca 420
 tggtnnttca tatgcataca accatcctca aacattntgc ccatcagcag ancttctaaa 480
 aaggtngaca taccactgg ntatccctt cttggcaant ttaaaccaag ccttgccccg 540
 gnaatggnaa 550

<210> 6941

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6941

cttttttttt tttttttttt ctttttgaga cagagtctgt tgcccaggct ggagtgcagt 60
 ggtgcaatct cagctcactg caacctntgc ctccagggt caggtgattc tctgcctca 120
 gcctcctgaa tagctgggac tacagacagg tgccaccaca cctggctaatt ttgngtttt 180
 tagtagagat ggggtttcac cgtgttgGCC aggatggtct caaactcctg agctcaggtg 240
 atccacccgc ctccgcctcc canagtgtg ggattacagg cgtgagccac catgcccagc 300
 cactgtgggt ttctttaatg tatgggtaga ggtggcttta ctattagcca gtgtgaanag 360
 tccttattct tgtgcttttg ccaactatccc tgcactccca tcctgggaac atacctngt 420
 ttaggcttca ggccaaacat ttcattgcaa acctttggtt tatcttttt tccaaatatt 480
 tggttgctaa tgattggncc cagaactttc atataaaatg ggnaatccag aaaagaaccn 540
 ccctntgtct 550

<210> 6942

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6942

```

gagacacgag tctcgctctg ncatccaggc tggagtgcaa tgggtgtgatc tcggctcact   60
gcaacccccg cctcctgggt tcaagcgatt ctctgcctc agcctcctga gtagctggga   120
ttacaggtgc acgccaccac gccagctaa tttttgaatt tttagtaaag atgggatttc   180
accatattga tcatgctggt ctggaactcc tgacctgtg atccgccgc cttggcctcc   240
caaagtgctg ggattacagg catgagctac cgagcccagc cctaaaagac ttctttataa   300
ggagccatat tgctttgggg agaccgaagg ctgctgaggg cctcagggca gggttgatat   360
gcacctgcca gcagccacc ataacatctt catggaacct taacacttc ttaaaagtgc   420
tccacctnct tttttttgac ccttaaagaa gagaccaact nttagtactg nggtggcaact   480
gngcctgncc ttttcatgg gcaggggact gggtagacaca ttccccaaa nggnc           535

```

<210> 6943

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6943

```

gagatggagt ttcgctcttg ttgcccaggc tggagtgcaa tggcacgatc ttggctcacc   60
gcaacctccg cctcctgggt tcaagcaatt ctctgcctc agcctcccga gtagctggga   120
ttacaggcat gcaccaccac gcctggctaa ttgtattttt agtagagacg gggtttctcc   180
atgttgaggc tgggtctcgaa ctctgacct caggtgatcc tcccgctcg gcctcccgaa   240
gtgttgggat tacaggcgtg agccaccgtg cccagccaca agtaaatact ttatcccctc   300
atagaagcac acggttttac tgcaattcag tagcttctcc ttttttctt gagacagggt   360
ctcgctccgt caccgaagct ggagtgcagt ggcgcaaaca catctcactg cagcttcaac   420
ctcctgagct caagcaatcc tctgcctcag ctccaaagt gctgggatta cangcgtgtg   480

```

ccaccaccct ggccttaata atttcttttt ctttgaaaaa aggnctnact ntgganccca 540
actnggggtgc n 551

<210> 6944

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6944

ccttaaaaca ggtactgagt ataaaacaat atagaacaat atgagagggt cgctctcttt 60
cctcattttc cccctttgag actctcactt tttattagtg ggagttctca ctcttatttt 120
tgctacttat gtctttttgt gcaatagatt gatagtgatt catatagtagt acttgtgctg 180
aagcattttg gtgaactaag gtagcaatga agctttttat catttgtaga agtaaaagta 240
gtaaacaagg gagcagtaag caggttttta ttactattat aactcctatt ataagagttt 300
taaatcttcc tattgctggg aactaatttt taaacatgga tcctggattg agtccgtgcc 360
acacttgtagt gggtagatgt gccagttttg ttatatcttt aactatattt ttaactactt 420
gcccttgatc acctgtgtgt agaaaacaat tagtaaagtt aaatttttca caaacttctc 480
tttcagctgc tacaagtagt caagagctag gctattttga tagatagcat ttctcatnag 540
aagtctcctg ctgg 554

<210> 6945

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6945

ggaattcaca aaacttttat tgatctgttt atcatgccna aaaaagttgt tnatttaaaa 60
ttcaaattcc acttgaaaaa gaggcagaca agcgatagtt gggatcccag cctgctcctg 120
gaggagctcc tgtgtccaca aaaaagcacg cacattctac agctatgcga ttgtctcact 180

cggaattgca ttttggaaaa ctctcccag agtcccccttg cagaacgcca ttgtgtctt 240
tagttggttg tagctgggaa acaacaacag aaagaaaagg aactccatcc taagacttct 300
tagaatatct ttggttttga aactactgac cctnaaggat ctaccaccac ccaacctaga 360

atatatatct atatatatct catatatata ttctcactga aaagcanatc attgtttatt 420
tcacttgctt tgnitgcaca tcggaccctt agggatggnn tnnggacacc tggctcttnc 480
ttcttcgtgg gatcctgt 498

<210> 6946

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6946

atTTTTTTga gacggagttt cgctcttggt gcccaggctg gaggcaatg gcgcgatctt 60
ggctcacagc aacctctgcc tcctgggttc aagtattca cctgcctcag cctcctgagt 120
agctgggatt acaggcatgc gccaccacgc ccggctaatt ttgtatctt tagtagagac 180
ggggtttctc catgttggtc aggctggtct cgaactccgg acctcaggtg atccacctgc 240
ctcagcctcc caaagtgcta ggatcacagg cgtgagccac cgtgccgggc acgtttcctt 300
taaagagctt ttttttgttt atTTTTtgag acggagtctc gctctatctc ccaggctgga 360
gtgcagtggg gcgatctcag ctactgcaa gctccgcctc ctgggttcac gccattctcc 420
tgccctcagcc tactgagtag ctggggctac atgcgcccgc caccacactc ggctaatttt 480
tttggaTTTT taagtanaaa anggggttca ccacgctngc cnngatggct tgaactnctg 540
acctcngaa 549

<210> 6947

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6947

aagtttcaaa ttattttattc attcaacaaa catgtcagag agaaatgaac agtctagtag	60
caaataatttc atagagaaat ggacgtatca ttccaactca ccacgcccc aacttcctgt	120
ggeteactec atcttttgcc cctctaggga gcttcggtga tgtggatctg ccttggggca	180
ggaaagggga aggggaggtc aggcctagt gctcacgcct gtaatggcag cactttggga	240
ggcagagtca tgtggatcac ctgaggtag gagttcaaga ccagcctaac caacatgttg	300
aatccctgtc tctaaaaata taaaaattag ccgggtatgg tggcaccgta tctgtaatcc	360
tagctactct ggaggctgag gcaggagaat cgcttgaacc tgggaggcag aagttgcagt	420
gagcccgaga tcatgccact gnacttcacc tgggggacag agcaagactc cgnttcaaaa	480
aaaaaaaaagt tggggggaag aacaaatgat ggaggtggag agggaacctt gttggagcca	540
cnaaa	545

<210> 6948

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6948

gagatggagt ctcgctctgt caccaggtt ggagtgcagt ggcgcaatct tggctaactg	60
caacctccac ctccctagtt gaagcgattc tctgcctca gcctcctgag aagctgggac	120
tacaggcatg cgccaccaca cctggctaatt tttttggtgt ttttagtaga catggggttt	180
caccatgtta gtcaggctgg tctcaaactc ctgacctcag gcaatctgcc cgccttggcc	240
tccaaaaatg ctgggattac aggcgtgagc gaccgtgcct ggccaaaatt ctttcacaca	300
tacgtgttac aaacctgcgt aactccaact ctcaactcac gattaacgga cccncaact	360
tttaacattt ctccaccgnt ctttaagaaa cctgaccctt cacgcaaaaa atnctgtggc	420
catgaattct aagactttat cnaatggtgc ttcgcttcac attctgacca ntacttttaa	480
gaaggaaaaa ttaaagttaa gccaatatat tctgaggcct ntaacttaat aantcaggna	540
ttattttaag ggcc	554

<210> 6949

<211> 558

<212> DNA

<213> ~~Homo sapiens~~

<400> 6949

```
cactgttggt tgccttactt taatgctgac ctagcagccc cgacaggaag ctttaacata 60
aagccttgac cctgagaagc atgggtgcgt cttgtcgtga gcaggttcat ggctgtgctc 120
catcctcagc ccgctgattt ttggtctttt gtcctttgat ccagcagttc ccacgtggat 180
gttgtactgc ttctgtcctt gatgttgatg ccgtgggcag tcaggccccg gcgcagggtg 240
tcgcatgctt ccagcagggg ctgcctttct aggagctgct gccgccgggc gtcccccggtg 300
gcctcgggca tggccagcgc aaactgccgg accttctgcc ggaaccgcac cagctcgtcc 360
accacacat gcaaggtagc ctgctgccg ctctgaaac gtactgntga tttgccagaa 420
aaaattccaa cagtttcaaa aaaactgttc aaagtangag atgatggcac ccaaacacag 480
caggacttct cgccctttt aggttccttt aaggaacgcc tnagctgcc attcncgtg 540
ggggttcaag ggccantn 558
```

<210> 6950

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6950

```
aacttgaaag aacagtttta gataaactgt ggttattcag acttgnncat ttggcnnatn 60
tattactgaa atgaatgaag tgagcctgnc acttccagga aaacaacact tgntgccaat 120
gataaaattt gagttttcaa gcaaaaantta gcattttgga aaacatacat ctgccatcct 180
aagcttgaca gcttctcaat nctgaagact tatctgatga gactagtgn aatattaaga 240
attatgattt tttgatatgg tttgataaaa tgagtcaatt ttcaggagat ctgtacaatc 300
taggtaacta atattttcca aatggccaat gacactgnnt taaaagcaaa aaagtcattc 360
```

caagtgaag gtaaaccant ggaatntatg tcattgagta cataaagttc acaatatggg 420
ctttgattnc acattacaac ttittaagaca acntcaatta tcaaaagtta ctggttantic 480
aaatcnggac nttccgngtt tactgagaan ggttttctaata accctt 526

<210> 6951

<211> 548

<212> DNA

<213> Homo sapiens

● <400> 6951

gagacgaagt cttgctctgt cgcccaggct ggagtggagt gcagtagcgc gatctcagcc 60
cagtgaagt tccgcctccc aggttcacgc cattctcctg cctcagcctc ccaagtagct 120
gggactacag gtgcccacca ctacgcccg ctaatttttt gtatttttag tagagacggg 180
gtttcaccat gttagccagg atggtcttga tctcctgacc tcgtgatctg cctgcctcgg 240
cctcccaaag tgctgggatt acaggcgtga gccactgcgc ctggcctata ttcagaatct 300
tttctatcac attccttaat gctgcaacgt tggtatttgg cacaggcttt tagcaccaaa 360
ataagacaga ccatagttca accagcacgt gcaatacctt gnaatgggta tggcnaaaag 420
gtatgtncan acaggacaag catggggaat atcacctggg aacatgggag aaatgacatt 480
ntaagcccaa tttcttttctt aatggactan ggcccacaac ctgngtttta caaggnttca 540
ggaaatnt 548

<210> 6952

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6952

acagagacag ggtctctcta tgttgcccag gctgggtctca gtgatcctcc caccttggcc 60
tcccaaagtg ctgtgattag gcctacgttg tgtgtcactt tcttaagaga cctacgttgc 120

taccgtgtct acagtagtct gtggctcacc ccagcctctg cagccccact gccctctctc	180
attacctggc tttagtttct ccctaacact tacctcacct gtgtaagaac tccttcccat	240
gagactgtga gctctgcggt acaggacact taccttcctg tactgccgca atttctatca	300
tattceetgc ctctagggca atgcctggcc acagcagggt ctccctaacc atttgccaag	360
tgaactgtcc cttaccgagt cctcctccat ccccccaag cctggctggt gacctggaga	420
gactcggggt agtggcaagg ctgcanggat ctggaactgc ctgggccttg ccactactga	480
ngcctggcca ttcgatgnct tcctttgate tgaaagtact ggggancctt aaaaanggct	540
ntngggnaa	549

<210> 6953

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6953

aacagatgag gtcttggtat gttgcccagg ctgatctcaa actcctgggc tcaagcgatc	60
ctctagcctt ggccctccaa agtgctggga ttacaggcgt gaactgctgt acccagccag	120
ttctttactt taaaattgga aactttagat gttcattcat tgccgttgat agttaaggtc	180
tgattcacta aaattcacia agatgcttat tttatgaatt attcatcaat acttggcata	240
agtaccgct ggaaaatata attaggacia atctcttgaa aacgagtact ccattcttag	300
aaaagcatna acaaaacca ggctgtttcc tccccacgtg accccttctc cagggacctt	360
gccccaaagc tccaattgtc aggatggggc cagtgtggac caacagcccc tgagccctgc	420
cagaccaaac acaccnaacc tngnacnca gaaggccgcc cagccgggtc acaagcttgg	480
ncaggggctt ccaagtctgg ttacctagag aggcagttgn cacgccttga ccanggtggc	540
cccatgnggg acagaa	556

<210> 6954

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6954

gcattccaca tcccctatca ctatcccacc caggagagct gaaattccct ggctgaagcg 60
 gtgcaaattt atttagcagc tcctgatagt acttttattt tatggttgcc aagaaaactt 120
 ctctcaccga ctctccttgc caaaatgctc agacatgata cctggcagcg ggtcagctta 180
 tagatgcact tagtgatgaa acacaagaag gccagaagtc ttcaggcaaa gacaccagga 240
 gacaacagac ctttggtggc taagggtctc ctgaccatag cgccttgctc tgatagcaca 300
 gactggatgc tgcggccaac agtacacttg gacctgacag tccaaagggc ataaaacagc 360
 caacaagcca agtctcttcc ccagtgcaga cagccaagtg caagcttgac ccacagaaac 420
 cactgggtcg gctttgcttt ctggangcag aatncaacca gggaaatgaa agcttttctg 480
 atagccagtc acttaagggc aggaaggaca accnggatca aagaagcctt ggcagaattt 540
 tgagagcccc cancnngaac aggatggttt 570

<210> 6955

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6955

ctttggagac agagtcccgc tgtgttgccc aggctggatt gcagtggcac aatcttggct 60
 cacttcaate tctacctccc aggttcaaga gattcttctg cctcagcctc ctgagtagct 120
 gggattacag gcacatgcct acacaccggg ctaaggagta aacatttttag taaccaagtg 180
 gacactgaag atgttgagaa ctggtaaaca aacaatcaag caagtaagaa cagaaataac 240
 agcatttggc ttttgagtta atgacaagaa cactcggcat gggagcctgg gtgagcaaatt 300
 cacagatctt caagcttctg taagtggcct gcattggggg tcaccgtggt gagctacgta 360
 gcaccctgga gttccacagt gcttctctga gacagccaca gagatagaag gacagcttan 420
 tgaggagtcc ccactacccc atcgaaangg gacttncatg aataataagt gcttgnacaa 480
 aactaactct nttctataac tcttctgntt aaaaccttag ncttttttag aatnaaa 537

<210> 6956

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6956

```

ctctctctct ttctttcttt tctttctttc tttctttgag acaggctaca gtgtggttgt   60
gtcacgcagg ctagagtgca gtggtgcaat caacagctca ccacagcttc gaccttccaa  120
gctcaagcaa tcctcatgcc tcaatctctg gagtagctgg gactacagga gtatgccacc  180
gtccctggct aatTTTTTaa acatTTTTta tagagataag gtctcacctt gttgcccagg  240
atggtctcaa actcctgggc tcaagtcate ctcctgactc agcctatcaa agtgctggga  300
ttacaggcaa gagccactgc acccagcctt ctttttgagt gacaggactt gggctaaagc  360
acctttgact tagaagaata aaagtcagtc agcctccaga atatataaag agcacttaca  420
actcaacaaa aaaagacaaa caaccaattt aaaaatgggc aaaggacttg aatagacatt  480
tctttgaaga agacnncnaa gtgggccatg ggcccatgaa aatatgttaa gggccttggc  540
attangggaa agccaatcna a                                     561
    
```

<210> 6957

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6957

```

aagatgtggg acttttggcc aggcacaatg gctcaggcct gtaatcctag cactttggga   60
ggccaaggca ggcagatcat caggtcagga gatcaagacc atcctggcta acacggtgaa  120
accccatctc tactaaaaat acaaaaaatt agccgggcgt ggtggcgggt gcctgtagtc  180
ccagctactc gggaggctga gggcaggaga atggcttgaa cctgggagaa ggagcttgca  240
gtgagccaag atcgcaccac tgcactccag cctgggtgac agagcgagac tccatctcaa  300
    
```

aaaaaaaaa gaaaaagatg tgggactttc tctaaaccag tttctacaaa gaaagattcc 360
 agacaacaag cttcatttca aagaaacctg tgtctgcctt ttctgtcgca aaatgtagat 420
 ctgggtagag tttctttttt ttaaagctgc attgnactat ctttangga ttcaaaacag 480

 ggctaataat gggcanatat gcaatgcana tctgggctat acctgggatc cccgttttgg 540
 aaaatgccgg aaatgggg 558

<210> 6958

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6958

gagactgagt ctcgctctgt tgcccaggct ggagtgtagt ggcatgattt tggctcactg 60
 caacctccac ctcctgggtt caagcaattc tctgtctcag cctcccaagt agctgggatt 120
 acaagtacct gccactacac ccagctaatt tttgtatttt tagtagagac gcggtttcac 180
 catcttggcc aggctgggtc tgaactcctg acctcgtgat ccacctgcct cggcctccca 240
 aagtgtctggg attacaggcg tgagccaaca caccgggcta tttttttttt tttttttaag 300
 gagacagggt ctcgcctaga gtgcagcgat gcaatctgat acaatcatac ctcactgnag 360
 tctcaaagtc ctgggttcaa agtgatcctc ccatcttanc ctttgagtgg ctgggactac 420
 aggggcatgc catnacacc tggntcaaaa tttaaatttt tgnaaaaaac cggggtntaa 480
 caacgttgcc caagctgggt ttnaaactcc taagccttaa acgatcctat ggcttaagct 540
 tnccaaactg gtgggaatac ag 562

<210> 6959

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6959

agttagaac	agaat	tttat	ttttgaaaat	agaaaaatca	aacaatattt	ttaaaatgca	60
atctattgat	gtcatcatat	ttggtttggga	atacctaaga	atgcagtgac	tgaaatgtct		120
gttctaataaa	cataaacatt	ttttgataatc	agtaccaacc	cactttaatt	tatatgtgaa		180
<hr/>							
taagagaact	tcgcttgaaa	aatacaata	tacataatcg	agagcactac	caaattttga		240
agcttaatgn	attcattgcc	aacgtactgn	cataactaaa	agtcatttta	aatgttttct		300
aaacagggac	tgatgtggat	atcaacaatg	gnttcacct	aaaactgagt	tttagcattt		360
gnttaagtat	atttacctat	ttagttaaag	cccattacaa	taatctttca	ccccattcct		420
tggggnttaa	ggnaatttc	atttttttta	gagatgggat	cttgctatgg	tgncccccaa		480
tggatcaaaa	acctgggctt	caaaaaaac	ctcctgctna	acctcttgnc	cacttgggac		540
ttnaggggn	gct						553

<210> 6960

<211> 396

<212> DNA

<213> Homo sapiens

<400> 6960

gaggcggagt	ttcgctcttg	tagcccatgc	tggagtgcaa	tggcacaatc	ctggctcact	60
gcaacctccg	ctcctgggt	tcaagcaatt	ctcctgcctn	agccccccga	gtagctggga	120
tcacaggcgt	ctgccaccac	gcctagctaa	ttgtttgtat	ttttagtaga	gactaaaaat	180
atacatggga	tatttattgg	cccatgttgg	gccaactgtt	ccatgttgga	caggctggtc	240
ttgaactcct	gacctcaggt	gatccacccg	ccttggncct	ccaaagtgt	gggttacang	300
cntgagccat	tgcgcccagg	ccctctgnga	nttttttaaa	agtggcaagg	gcttgcatt	360
tcaagntggc	cttgaantct	ggactcnagt	gacct			396

<210> 6961

<211> 316

<212> DNA

<213> Homo sapiens

<400> 6961

gccactctgt gttacttttc ctgaagtcag aatcggttga ggcacacact ggggcctgca	60
ggcatcgagt gagccnngtg gaggaacatg ttgngtcngc cgtttttgaa taccagggt	120
gggagcttgg ccatctgcat cccacttcc catagcccag gcagaggac agagaaatgg	180
agtggggagc acagagcagg ctccaacaag acaaattccc tggtncaaa ccaccatgat	240
ccactctgac ttggncaaca aactnngnta aaaacaattc tntacgttca ctgttcccaa	300
gggncattct aaacag	316

<210> 6962

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6962

gcatttcctc tcctcataga gcagggtgtc tttcctctaa gtggttgaaa gagagctggt	60
attcataagc aattatgtgg gtgcttaaata gatatgatgt ggccacatag taaagtcaat	120
gatgactcat tcattaattc cacaagtctt tacggagtac ccactctgag ccaagtgcag	180
ggctggctac gtggtcaacc agtgcctccc atctgtcctc ttgggggtta aaacggactc	240
aacaacaagc agatgttgca caaattaata tatagtaatt aattgtaaca aaagctacca	300
agagaagccc tggatgctca gagaacataa tggggagact taattaagat aggggtgtca	360
ggacagacta cagaaagaag aatggaaata atgtggcagg gacaacagca gggagaataa	420
accattcttt aatatcttaa ttatgaagac ttcttcttnc attcttctat tagagtcnc	480
cannaanggt cataccagat gccatggcaa natgccttga natta	525

<210> 6963

<211> 461

<212> DNA

<213> Homo sapiens

<400> 6963

```

ccccctctgac tttgtgtttt caaataactt attttggagc tcatggattc tttcttctat 60
tggacccaatt ctgccattga gaggcctataa tgaattctgt ttagaaattt catTTTTtag 120
ttgcaagatt tgatttccgt ttttttattt ttttcaattt ctttgttaaa tttctttgat 180
acatttctga attgcttttc agtcttatct cggaaatcac taagtttctt tagaactgct 240
atTTTcaatt tttatcagac agctcacata ttgccatctt gttaggatga gttactgggt 300
tcttgctttg ttcatttggt gagatcacgg ttccctcttt aggcattgtg cttatggatg 360
tatattgatg tctttgcatt gaagtattat ttatttattc caatgttctc tgactgggct 420
tgttacaatt tttttttttt tttttgggaa cggtnnnnnn n 461

```

<210> 6964

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6964

```

aattaagaga acttttgggc taggcgcggt ggctcacgcc tgtaatccca gcactttggg 60
aggctgaggc cggggtatca tgaggtcagg agattaagac catcctggct aacacggtga 120
aaccocatct ctactaaaaa tacaaaaagt tagcctggcg tggtggtggg cgcctgcatt 180
cccagctact tgggaggcgt agaatcctcc agttgaggag aatggcgtga acccaggagg 240
tgagacttaa agtgagccga gatcgacca ctgcactcca gcctgggcaa cagagcaaga 300
ctctgtctca aaaaaaaaaa aaagaaaaaa aagagagaat ctttaaatac agagtctgaa 360
gtaactataa cctagactct ggcttcttgc acatctgggt tactgnagtt attcacagtc 420
tcatgaagtc ccaatgcagg gtgacaagt acacctgaga ctatttncag ggaagatccc 480
tgggcttcaa gttccnangt gcgcccttac aatgtcaaag cagaactga ccagcacttg 540

```

<210> 6965

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6965

```

gacatggagt ctcactcttt ctccaagct ggagtgcagt ggtgtcggcg gcttgggggt 60
gcggggccgt ggtggcagcc tgtggggaga gactagggtt agcaaggacc tcaacctggg 120
gttagtaccc ctgctaccca cactgccctg acacgctgac caggagagg acaggccaag 180
gtcccagaga gagcttctca acccacacag aacgggggac tcaggaggtg gggcaccttc 240
agggaagaat cacaggagcc agggacaagg ggatttattg agaaaggaac aaggccaggg 300
agaggttaca cgaggggtcg agctgggggt gtgcggaaga tggaggcatg ctggcagatg 360
gaggaagcag ggtgagtcca tggacacatg gacagatggc tctggtccgc aaacttctgt 420
ggcactgcag cctangcatt cctnctgccc atcgaggccg tattctggct acctgcaatg 480
gaatgaaan tggggcttgg aaagcccaat cctgagtcct tgcgtctgnc ttcangggat 540
cttccttca 549

```

<210> 6966

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6966

```

agagacagag tctcgtcttc ttgccaggc tggagtgcag tggcacaatc atagctcaat 60
gcagccctga cctcctgggc tcaagaagtc ctccccgctc agcctcccca gtagctggga 120
ctatcggcat gtgccaccat gcttggataa ttttttaatt tttttgtaga gatggggctct 180
tgctatgttg cccaggctgg tctcaaactc taggcctcaa gcaatcctcc tgcctcagcc 240
tcccaaagta ctgggattac aggtgtgggc caccgtgcct ggccaacatt tctatattat 300
ttcatttctt ttgaacatgt atagctttca taatctccat cttagaaaat aattgagtcc 360
tcttaaccag tcctctggct catgccagct cctggatggt gtgctgacat ccagcatttg 420
ctcattcttg tggggctgta gggaatttca aggtcaatgc tgagctcttg aaaccaaggg 480

```


ctacaaccct gggctgnaca ttacaatcac tggggtgcct taaaaacact acn 533

<210> 6967

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6967

aatctactac tggacatcat ggacagtaca accaaatgat tcatgcaagg accagggtga 60
 aaatctacct gtagtaacaa tgtaataata cagtgatctt ttcataaaga ttagctatga 120
 tccaggccac tgatccaggc cataagaatt tcagtatcca catatgtaaa aggttttcta 180
 caacaatcct atgaactagt taatatcctc acatacacat tttacttctg agaatgaggc 240
 ttttaagcaga aaagggtgatt atttttatat tgagagccat gtcgtcaaca gcagatagat 300
 ctgattatgt ccaagtttaa agtaaacata aaaatattta taaacttcag caaatttgat 360
 ttatacagta atgtaacacc cgatgggtgcc gtttttacta caaaaatgta tttttgaaaa 420
 ttggtatttc acttaacttt tttctgatag tccaagatt cttaaaggac atcataaatt 480
 tctgggtgtg tgtgtgtgtg tgtgtgtgtg ngntgtgnng ngngngtg 529

<210> 6968

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6968

cttttttttt tgagatggag tttcactctt gttgcccgagg ctggagtga atggcaccat 60
 ctcggtcac cacaacctcc gcctcccggg ttcaagtga tctcctgcct caccctccct 120
 agtagctggg attacaggaa tgtgccacca tgcccggctg attttgtatt tttagtagag 180
 acgggggttc tccatgttga tcgggctcgt ctccaactcc tgatctcagg tgatctgac 240
 cgtcctcctn ggctcccaa agtgctggga ttacaggtgt gagccactgc gccgggcctt 300

ctgctgtctt ttttcattca aatcattgat cttcggtgtt cttggtgtga cgggtaattt 360
 ttctgcagta tcctgggcat tttggatatt atgttagaag actgatcttg ttaagtgtta 420
 aatctctatt tgancaggct gtcaccctgt ttanggttcn gcgtgtacag cctgggtctt 480
 ttggangctt ccggttccaa tgacaatttg cttttcanaa tgcttgctnn aatgctttt 540
 ggt 543

<210> 6969

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6969

gagacggagt ctactccgt aaccggatt gcagtgcagt ggtgcgatct tggctcactg 60
 caacctccgt ctccgggtt taagcgatcc ttctgcctta gcctccaaag tagctgggac 120
 tattaggcgt gtgccaccac gcccggttaa tttttgtatt gttagtagag ttggggtttt 180
 gccatgttgg ctaggctggg ctcaaactcc tgacttcagg tgatccacct cccttggcct 240
 cccaaagtgc tgggattaca ggcgtgagcc accacgccca gcctgtaaat cttgacaaaa 300
 ttcccagagg caaaattatt agaaggctgg gagccaggat taaaaaacat aaaatccttg 360
 gcttttccat ttatttcaca ttgcctcttc ttagaatcca cttctacacc aaagcagtta 420
 aaatcaatgt ggatttgtat tttaatagaa gggttatggg agtagtggga aaggtagcaa 480
 ataataacta tggttattgg atctactggg cctaacattt ggacctatcc aatcatttaa 540
 n 541

<210> 6970

<211> 330

<212> DNA

<213> Homo sapiens

<400> 6970

gcttagtata ccaattntat ttattgntaa agaaagaagt cacttcactt agtaaagacc 60
aatgatggcn ggtagaaata aaaacattta atctgggctg ggtggagtgg ntcacncctg 120
taatcccagc actttgggag gctgaggcaa gaagactgnt tgaggctagg agttccaggc 180

aagcctgggc aacatagnga ccctcatntt tncaaaaaat taaaaaatta gttgggcatg 240
gnggnntatg cctgtagccc ctggctatta gggaggctga ggtaggagga ctgnttgagt 300
ccnggaggtc aaggctgcan tgagccaana 330

<210> 6971

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6971

gagattttta gtagagatgg gatttcacca tgttggccag actggtttca aactcctgac 60
ctcaagcgat ccacctgcct cggcctccca aagtgccagg attacaggcg tgagccaccg 120
cgcctggcca cacaaggcat tttggcatta acgtatcaag tcttaaaaat ctgtatatca 180
tttgtcccc aaatttcatt tctagggatc tgatgcaaag aaatagatca aatatataaa 240
aagcacgtac cagtacagta ataaaaaaat ttgcagctgg gcgtgggtggc tcatgcctgt 300
aatcccagca ctttgggagg ctgaggcagg cggatcacga ggncaaaaaa aagttgtaag 360
gaagtcctcc ataaatttaa gaatccattt gattcttttt atttttctga gatatggtct 420
cactctgttg ccaggttgg aggacagtgg cccattgtg ggtnactgca atcttgacct 480
gnttggcttn aagngacctt ctggcttagg ctccaagcnn attgggcttc ngggcccc 539

<210> 6972

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6972

gagacagggt ctctcactct gtcacccagg ctggagtaca gtggctcgct tacggttcac 60
 tgcaggctta acctcccagg ctcaagcaat cctcccaact cagccttcct agtacctgag 120
 actacaggca catgccacca tgcccagtta atttttttgt agagacagag ttttgccata 180
 ttgcccagge tcctctccaa ctcttgggct aaagtgatcc acctgcctca gcctcccaga 240
 gtgctgggat tataggcatg agccactaca cccggcctca tatgacattt ttaatgggta 300
 agatacaatt aatttactgt gtgaccctgg acaagttaac tctgaatctc agtttaacct 360
 ccaatagatc agggttacag gacccatcac ttagagtagc tatgaaagtg acaagagaag 420
 gctttgtaaa atactaggna tatataatgc ttggcaatag tgnatggttt ggaagtattc 480
 atgaatttta atcatttaag gnttaatggn aaattttctg ggtaaacct acttatntta 540
 aan 543

<210> 6973

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6973

gaggcagagt tttgctcttg ttgcccagge tggaatacaa tggcaagatc tcggctcacc 60
 gcaaactccg cccccaggt tcaagagatt ctctgcctc agcctcccga gtagctggga 120
 ttacagtcat gtgccactgt gccagctaa ttttgtattt ttagtagaga tggggttact 180
 ccatgttagt caggctggtc tcgaactcct gacctcaggn gatccaccgg cctcagcttc 240
 ccaaagnct ggaattacag gcatgagcca ccgcgcctgg ccccaaactc catcttgaat 300
 cgtactcctc ctgtaagtca cacatgttgc tgggggggga ctggtgggag ataatttgaa 360
 tcatagggta ggtttcccc atactggtct ngggaaagg aaataagnct caagagatct 420
 gaagggtttt atcaggggtt tccactttta catcttcctc aatttctctt gccgccccca 480
 tttaaaaagg gcctttaact tcccgcattg atttganggc tcccagcca tgggg 535

<210> 6974

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6974

```
gagagagggt gttgctctgt ctgcagtcac agctcactac agcctcgacc tcccaggctc 60
aagcgatcct cccacctcag cctcacaagt agctggaact acaggcatgc gccaccatgc 120
ccagccaatt tttaaatttt tagtagagac aaagccctac cgtgttgGCC agttgaactc 180
ctgggctcaa gcgatgctcc cgcctcgGCC tcccaaagtG ctgggattac gggtacaagc 240
caccacactg ggcctacttc tttatcaaag aagcccttcc tgaacaacac agaaaccccc 300
ctagagggtc cgtaatgaga accgaacaga aaaacccccca actcaggttt gctgggcaat 360
ccttcttttc cacagaagct ggaccagggt ctgttaccat taaaaaata ctggattcaa 420
tatttttaaa gacnagaagg gaaagagaac aggttcttgc aaagagaggt acagctngat 480
tctttcaagt cacacgaact ccngacttc ggggccaaac cagccggctt ang 533
```

<210> 6975

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6975

```
gtttttcctt ttagtaagaa aaactttatc aaaaatttaa atatataaaa taaggccaga 60
ggctgcactg gaggccactt cccagtgggt cactgctgcg ctgggtgtcc ctatgcagct 120
agatacatgt taactgcata gagtaccata aaggagccca ctggtgagct tcaactgtcac 180
ctggccctgc tggctggggc ttccattgtc tactgggtct gtccacaccc cagattgcct 240
tgtggtcctt tcccctggcc aagaagataa cagtttttta aaaatccctt tctgatatgg 300
atgtgagcaa gcagtgggggt tcagtttggg accaagtagt gccatttaca aagagcatgg 360
gaagcacctc cttaggaggg gagcagggcc atctccacgt tgtcaggggc cgcgcccgtt 420
gcctgccaga ccctgggccc acttgtgcan gcggctgtan antgggaagc cctgggtntn 480
acgggcaaag tagaccccgG ngaatgnatt tcct 514
```

<210> 6976

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6976

```
cgagatggag cttcctctta ttgccaggc tggagtgcaa tggatgcgac tcagctcacc 60
acaacctctg cctcctgggt tcaagcgatt ctctgcgctc agcctcctga gtagctggga 120
ttacaggcat gcgccaccac gtccggctaa ttttgtatit ttagtagaga cagggtttct 180
ccacgttgct caggctggct tcgaactccc aacctcaggt gatccacccg cctcggcctc 240
ccaaagtgtg gtgattacag gaggtagcca ccgcgcccgg ccattcttac tttttcttta 300
gtttgtatta ttagtaaaga cagggtttca ccattttggc caggctggct tcaaactgct 360
gacctcaagt gatccgcccg cctcggcctc ccaaagagct ggggttacag gcgtgggcca 420
ccgtgcccag cctactatit accatattgg ttcattccaa aacattaaac cttatatit 480
tttaattntt aattttttga gaanggggtt tgccctttgt tggccaagtt ggagtgcaaa 540
g 541
```

<210> 6977

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6977

```
gactttaaaa tgtttattct ttaaaaaatt agttgctttt tatacagcta tacaaagttc 60
ttaatgtttc tttggcaatg gaatataatg gaattttaca actatataaa aaagttacct 120
ttgcctaaga aacagtatit actgtgtgta catagttgac tgacaaaatt ctctaccatc 180
cagcacccta attaattgac gaaataagct acctcatatt acaggattcc ccaaagaaa 240
ggaggaaaaa gacacacaca tacacacaca cacacacaca cacacacaca cacacacaca 300
```

accttctgtg gctcaaaaca cagtatcacg gccctatntg caggcaactt gcaattgccca 360
aatacaattt agtgataaaa aaaaaaaacc tttcaagtga tggaaaaaat acttgттаag 420
tcccactgaa gtactgcttt aggttaacta tncntangaa attacttaaa cttctgcttt 480
~~tccaaatntn ttaatngctc atggttttaa gatgagcctt tcnaaccccc aaaggtacct 540~~
g 541

<210> 6978

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6978

aatagagctg catttttctt ttttacgaaa atgaagatgt gcttttggct accacacaaa 60
gccgttctcg cttatggttc cacctttggg gacgagcagg ggtaaagctt attgggaatg 120
gcagcctcct ccttggagcc ccaccctttg cgtttttttg atcaaggagag ttaaaacagt 180
ttattgccta ctgcatatgc agcaatgatt tttcaatcac ttattttttt tgacaccaat 240
cttgttcact gttataattt ggactcttgt tgactaagtt caatattcaa gaattcttgt 300
gggtacatca gaaaaactcg gtggggaaga actattagaa tgaactctag ctgtaattca 360
ccagggtagc aaganggitta agaagacagc agggaaccgc tgangtactc tgggttnaag 420
gatcccagtc ttttgaaacc acanggtgga canggcttnc tcagcttaag gctggagcaa 480
aatgggcaat tctgaagctc atgtactttt gaaaatattt aagagtacca gnggctaaag 540
c 541

<210> 6979

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6979

aagaagggga aaaataaagc aaacacttac tgcattcata gatctgttcc agcttatcca 60
 cagaagaaag ggagaaaaat ttataaccgg acttactacc aacagctagg gacctgcaaa 120
 aaagccaaat tcagaaataa gagctgatac gtgcagacag tgacaatgta gaaaccagct 180

 cccacgttcc cagcgagttc ccagcaagtt ccccgcggtc cctccacaaa tcagcacaga 240
 gcaaattcatt tcacactggt tgtatcaagt gcttggcaca ggaagatgcc acaagggtcaa 300
 taaaatacag acaatattat tacttaaate ctataaaact tttctgaggc tggatgtggt 360
 ggctcatgcc tgtaatccca acactttggg aggattgccc gagcccagga caggaggntg 420
 aggttgcag tgagcccaag attgatcctg ctactgnact tccagcctgg gagacggagc 480
 gagatactgg ctcaagaaag gaaacaaaaa acttttttgg gagattacct tccggatagt 540
 act 543

<210> 6980

<211> 504

<212> DNA

<213> Homo sapiens

<400> 6980

ggagacggag tctcactctg tcaccaggc tggagtgccg tggcacgac tcggctcact 60
 gngacctcca cctcccaggt tcaagcgatt ctctccctc agactcccca ctagctggga 120
 ctacaggcac gcaccaccat gctcagctaa atttttgtat ttttagtaga gacgggggtt 180
 cactngtga gccaggatgg tctcgatctc ctgacctcgt gatctgccc cctcggcctc 240
 ccaaagtgtt gggattacag gcatgagcca ccgcgcccgg ccctgtgcat tcttatttca 300
 tagttctctc tccatcttcc cagggtgtgca tgaactgttt tgcaagtaca ccccgatgaat 360
 tttaaagaaa tggnttactt ttattagtta ctacatataa tttttttaat tggattngga 420
 aagcttttta aaaagctgaa caatanttgg gtactttatc tactaaaggt taagggaatn 480
 gatntttact cccaatnaan ngaa 504

<210> 6981

<211> 511

<212> DNA

<213> Homo sapiens

<400> 6981

```

cccgggtccc ttccgcctgg gttcacgttc acgtttattc aaacaacaga gccgactcgg 60
gcgaggtctg ggagcggcgg gcgggcagtg tcgcctcctg ggctctgctg acccctgggtg 120
gtgggggtcgg ccagaggtgg gacctagccc agcccccttc ggccgntgct gaccgccatc 180
ccccacaccg ctttctggag ccgcagagg gaggcagggg cgtccccggg gacagctcag 240
gcggccacag ttgggggcgg ggagcatcag cctgtgcgga gctgggagcc tgggaagcag 300
gaggccagag ggtggcccct tcggttaagt gtctggggag cggcccggga gcccagaggg 360
gtcgtcgggg gaagcgcggg gcacgtgctc gcaggtgatg aggtgggtgg gcagcgcctg 420
ggtgtcgtgg aaaatgacca aaatctgggc ttggcaaaag canccacgg ggctttnta 480
anccaagaac ncctgggcn gaaccccaa a 511

```

<210> 6982

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6982

```

aaagtaaagg caatgaccta agctaateca gggaaaaatc ttagctcct gtaacacagc 60
ctcctattga agaattcagt gctgattagg acctgtctca tcaaagggt taccactaga 120
attaccagaa gaccgagtag catgtatacc ttatttctaa tctcctgaaa aaatttagaa 180
ggctatgctt aagaaaatgt tggtagtaga tgtaataata aatcaatata ttcaagttta 240
ggcccatata gattcccaac tagtgatcag ttccttgctt ctagagtaa ctgagcaaata 300
atatgatgaa aagcaatgta taaaattcta tccaagaaca aatttgatg gttcaaaaac 360
aatcctttgt tatattgaca atatagattt aaatatagct ttatataata agtttgtcag 420
ggtaaagtca gaaaggatgt gaactgagaa gactgcanaa agtttctggt aagggaataa 480
atccacttct ttaantggtg tccccagggt naanggttc naaagncatt cttt 534

```

<210> 6983

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6983

```

gatctcttta tttttatttt tttttttttt tctctcttta cacggcaaca gggactttgc 60
agatgtgggtt aaggtaacag attttagat gaggggatta tcctggatta tcgggtaggc 120
tcaaaataat tacatgatcc tttaaagca gagaacattt cccgacgaaa gtcagagaga 180
tgaggcctcg tgagaaggat tccacacact cacactctcg ctggctctga gatgtaggtg 240
cccttgtgca agaatcagag agaggctgca aggagccagt ggcagttccc gccgacagcc 300
cgcagggaag cagggacctc agtccatcag gcaaattgaa ctgaattccg ccaacaaggc 360
gcagaggcct ggaaacagat gcttcattag agcctctagg agggagtaca gcctggccaa 420
caccttgatt tcagccctgt gaggcttgaa gcccacacac cancccgggc cactggact 480
tttnacctac agaactnga nggagtaatt tgctattttt aancggtaa aagggggcta 540
a 541

```

<210> 6984

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6984

```

gagacggagt ctcgctctgt cgcccaggct ggagtgcagt ggcacaatta cagctcactg 60
caagctccgc cccctgggtt cgcgccattc tcctgcctca gcctcccaag tagctgggaa 120
tacaggcacc cgccaccatg cctggctaatt ttttttgtat ttttagtaga gatggggttt 180
caccgtgtta gccaggatgg tcttgatctc ctgacctcgt gatctgcca cctcggcctc 240
ccgaagtgat gggattacag gcttgagcca ctgcgcctgt tcccaggaag ctcagagtct 300

```

ctcacaggcc ttttcagttc ctggggctct catatttcct cattctccca gactcctctg 360
 accctactct tctcaggttc ttactgctcc tgtgggaaat cagaaagagc agccagcaga 420
 caacaccaac tgagatgaat gccnctggaa tggcacangt cagtatggca agaaatacca 480
 tgggctaattg gtcaanacca tggatatgaaa gncncaatgg ggtggngaaa ttcacttccc 540
 n 541

<210> 6985

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6985

gagatggagt ctcgctttgt tccccaggc tggagcgcag tggcgcgac tcggctcact 60
 gcaagctcca cctcctgggg tcacgccatt ctccagcctc agcctcctga gtagctggga 120
 ctacagatgc ccgccaccac gcccggttaa ttttttgtat ttttagtagt tagccaggat 180
 ggtctcgatc tcttgacctc gtgatccgcc tgccttggcc tcccaaattg ctgggattat 240
 aggcatgagc cactgcgcct ggcccaagaa gctaattttc atatggaaca tatgaagaag 300
 aacacttgat gtttactagg ggacagtcac catgcttgca cagcaatttt aataagttaa 360
 ctctaggaat tatgaaacaa gcgccaaaaa gcagtacat catcacagag tcataggctg 420
 ctgttatagc tgggaggaaa catgggtgtc acctacttca acactttaat ttccgagatg 480
 tggcactnan accattcgga aagtaagaag acnttctna tgcggnaaaa ctaattagn 539

<210> 6986

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6986

cattgaaact ccactgaaaa tgccatgggt ggtttatggc aacttttaca tgagtctagc 60

aaaaggaaag aatgtgtcac ctcttttcta tcacaattgg gggcttaaga atgcaggggt 120
 ggatgtatca acccccagaa agttacaagt ttaagccagg aattctggcc aggcaatcat 180
 ttttagtaat acccttgagc ttatgggagt ggaagtttgt attttttttt ttccaaagta 240
~~cattactact aatgataata gttttcatta gtcttagtca ctgggcttag cgttttccat 300~~
 atttaccct catagcaacc tatgaaacct gtgttagaat tgacatttga tgacaaggtc 360
 tgttcaaate cagcaccat gtgttactta ccactcttta taatttttta aaagagattt 420
 ctcttctga atccctatit tttttgaat ggccgaatan gaaaaattaa aatctgaaaa 480
 gctcttanaa aatctgggtc aatatngaa cctagaaatg gctgggtcaa ggan 534

<210> 6987

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6987

atttcaaaga aaatgtaaaa gccctcaaaa aggcttttat ttatttttgt tgtttgtttg 60
 ttattgagac aggatctcac cctgtcacc aagccacagg gcagcggcat tatcacagct 120
 cattgcagtc tcaactcccc aggtcgaagc gatcctccca cctcagcctc ccaagtagct 180
 gggactacag gtgtgtgtgc cgctgtgccc agcaaatttt aaaaaaattt ttttgtgata 240
 gatacagggt ttccctatgt tgcccaggct ggtctcaaac tcctgggctc aagtgaccct 300
 cccacctcag cctcccaaag agccgggacc acaggtacaa gccactacac tccactaaaa 360
 aaggctttaa aaattagaat catcacagta taatttccat atatagaaat tatttaaate 420
 cccaaaaatt acctttcttt ttctctatac agggggcatg tggtttatgt aggaacctca 480
 agaaactaat ggatatttgc ttttggaate cattaactgg gccaatggtt tagccagttg 540
 a 541

<210> 6988

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6988

aaaaatgcct ggaaatcact tgctagttac agagatacat ctcaaagcat aacaagtitta	60
ttggtatcat cagctacctc ctctctcggt ttctgaaagg ggaagatggt ggaggagtga	120
gtaggggtat atgcgaacac taaactcacc tccagccaga tgctctttgt aactgccacc	180
atctcaaacc tgcctagta attaatacact atgttaggag aacacaaatg ttgttaaaac	240
gcggtcgcca tcatcatagc tacaatacag cagtgtagcc ctctgtttt ctacaaaaat	300
aactggcacc tatttaatac ttcggtgtgt ataaaaacag aaaacaaacc taacaaaatg	360
gaggcagtct tattagaata ttatcaataa ataattttgc cataatattg tcataataag	420
tgtcaattca cacttgacc atacagttcc ttgtccaga cttaattctc tataacctct	480
tcttacctg accacttcan caacctgan tggccacagt cagtgtnaaa acccat	536

<210> 6989

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6989

gagatggatt cccgctcttt agcccaggct ggattgcagt ggcacaatct tggctcactg	60
caagctccgc ctcccagggt cactccattc tctgcctca gcctcccag tagctgggac	120
tagaggcacc tgccactgcg cccagccaat tttttgtatt ttttttagta gagacgggggt	180
ttcaccgtgg tctcgatctg acctcgat ccacccgct cggcctccca aagtgtggg	240
attacaggcg tgagccactg cggccggcct aatttttttt caaggttttt aacttatttg	300
cctttggttc aaacttctc ctttagctcg gagtagtttg atcttctgaa gccttcttct	360
ctcaactcgt caaagccatt ctccgtccag ctttgttcca ttgctggtgg ggagctgcgt	420
tcctttggaa ganganaggc gctctgattt taaaagtctc cgggttttct gctctggttt	480
ttcccaactt gggggttatc tacctttggg cttatgaagg ggaaggacca aag	533

<210> 6990

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6990

```
cacttttttt tgaggcaggg tctcgctttg tcgcccagac tggagtgcag nggcgcaatc 60
acggctcact gcagcctcaa gcgacccctc cgccccagcc tcccgggtag ctgggactcc 120
aggcccgcgc caccacgccc tgctcctctc tctccaatt cttgatcggg ctggacgtgg 180
gccagcgggg tggggcgggt ttaactccgt gtctggaatg ctccgctgcc ctacccctca 240
aacatccctt taaatggttg tgctaggaaa ggacgagggc ccggtgggtt tactccctct 300
ggctgaacta cacctgatag atacctcagg ggcgtttccc aaggggatgg atttagatca 360
agttagcagg aggaatggtg gctgtcacia tttttatat tcacgtaagg atcgctccct 420
cagaaatcgc caatattggc ttccccaaga aataacctca tttccttttt taacctaaag 480
ccgtattatt cttgccactt tttttnaatc tataaaaact ggngttaaat tttttggttt 540
```

<210> 6991

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6991

```
gagacagaat ttcactcttg ttgcccaggc tagagtgcaa tggcacgac tcgcctcacc 60
gcaacctcca tctcctgggt tgaagcaatt ctctgcctc agcctcctaa gtaactggga 120
ttacaggcat gcaccacctc acccgtctaa ttttgatatt ttagtagaga cgggggtttct 180
gcatgttggt caggctgggt tcgaactccc gacctcaggt gattcaccca cttcgggtctc 240
ccaaagtgtt gggattacag gcatgagcca ctgtgtctgg cttttttttt tttttttttt 300
tttttttgct aatgtaaaag atcatagaat atcagagata gngaacatta tcatttccat 360
aaatgtacat tttccacacg ctgagtacta tctaaatttt ctattgataa actctgacca 420
```

ctntttcagg caattcatgg acttacttta gcattatcat taangntgaa aggtctagaa 480
ccattaggaa caagggacca tttttacca ggtacttaac tgggtgggngg 530

<210> 6992

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6992

aaagatttgg ggttgtagta gacagctgta cattttttgc aatccagcat ctaagcatcc 60
ttcttacctg gggtagctg agcatctgca cagcggcagc gtccttccac tgtagaagct 120
gaaaggccca gatactcctt ctgcccttgg caatgaagac acacagtgcc aaccagaagt 180
ttgcatctta agtgtggtga ctacacagaca cagggacaat caagaaatca gtctaacagc 240
agcggaggaa tcataacatc ttatgtagat ttcatctttt tatgagcctg gcttatttca 300
actttcctgt ccatttagtg agctaccaga tagcttttcta ataaaaattt tctgcttagg 360
ccaggcacgg tgcctcacgc ccgtaatccc agcaccttga gaggccaaag gcgggtggat 420
cacctgaggt caggagtctg agaccagtct gccaacatgg agaaacctgn cntactaaa 480
aattccaaan tagcaggatg tgggtgtgca tgcctgnaat cccagttggt caggaggccg 540
acccaggaaa attggttgna ccc 563

<210> 6993

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6993

actgtgattt atcatcaagg actttattct ctggccact ttgcagtcac gctagaagtt 60
tccagaatcc ctagtgcata tgggtgtgcaa aagtcaaac gtaagaaaag aaaactcctc 120
ccttgagagt gaagtctaca gaaatgcagg ccagaaaggt gtaaggtgtt attccagtct 180

gccgccgcta aggccgttgg gatcgacgcg aaagatctca atagtactaa gaacccaaaac 240
 cagtcaacag ttctgtgagg aagtctgacg cacggaatag taggactttt cacacacaaa 300
 ggacaaataa accaagagtt aattttggct accaaactgc aatttggttt tctaggtcat 360

 ttcccccaa ctatttaaaa agaaacatta gtgctacaca tatgcaactt taagatgctg 420
 gattctccta tcaagttgca ctgagaaaca agtgaaataa gccctcgga ctggccgtca 480
 cctgccagac gtcacatcca ttcttggat ttccattggc acagcnggga ataattccaa 540
 tagggctgaa gtaacnc 557

<210> 6994

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6994

aactgagtca tcttttttcc attccattca tgaaagcaac ataagaaagc caagagtga 60
 aggggtaaaa gatcacagta taaaggcttt cgggtgtgtcc ttcaaagatt tacacaacat 120
 tgtcctaaag ggaagtcaca gcagcttagc tgtttctcac agatcagaga ggatgggtggg 180
 gcagccagga gtcacagta aaccaggtg agcagtcag gactgaatgt cgctgtccac 240
 ttgcaggtgg gagtccatgt ggagggtgct ctttcttgtt tctcattggg acggtgactg 300
 tgtatagtgg aaagcacaga gccaatgagg gacaggatgg ctgtggtgga gggaagacag 360
 tgcagggtg ctctgtctct ctgtcctgtc ccgttaggac tgggtggcca ccacaggttt 420
 cgcgaaggtg tggctggcca ttcctttcct cgcgttgggg tttctccgtg tcagcgagcc 480
 tcggtacact gatttccgat caaaagaatc atcatcttta ccttgacttt tcaggaatta 540
 ctgaactttc ttntcaaaaa anag 564

<210> 6995

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6995

cttgagacag agtccttactc tgtcaccag gctggagtgc agtgccatga tctcagatca	60
ctgcaacttc tgcctcccgg gttcaagtga ttctcctgcc tcagcctcct gagtagctgg	120
gattacaggc gtgcaccacc atgcccggct agtttttgta ttttagtag agacgggggtt	180
tcaccatggt ggtgaggctg gtctcgaact cctgacctg tgatccgcct gccttggcct	240
cccaaagtgc tgggattaca ggcatgagcc actatacctg acctaggggt tgagttcttg	300
atttgattct ctgcttggtt gctgtcgttg taaagagaga tactgatttg tgtacactag	360
tcttgatcc agaaactttg ctgaattctt ttatcgggtc caggagcttt ctggaagagt	420
ctttagggtt ttcaaagtaa acaatcgtat tgnacgaaa cagtgaccgc ttgacttnt	480
ctttactgat ttggatgccg ttttaattctt tctcttggt gatgctctgg ctaggacttt	540
caaggctatg ttnaaaagn	559

<210> 6996

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6996

cttttttgag acagggtctc actccatcac ccaggctaga gtgtaatggc atcatcacag	60
ctcactgcag cctcaacctc tggggctcaa gcaatcctgc tgcctctgcc tcccagtag	120
ctgggactag gtgcacacca ccacacctga ttaatttcca cattttttat agagacgggg	180
ttttgccatg ttggccaggc tggctttaa ctcctgggt aaagcaatcc accgcctca	240
gcctcccaaa gtgctgggat tacaggcgtg agccagcacg tccagcctgc ttatctctta	300
ttgtgcctaa ttcataaatt aaactttatt ataggtatgt atgaaacaaa acatagcata	360
tatacagttt ggtactatat gtggttttca gacatccact ggggattttg gaataactg	420
ctgtacagga cacataagga aatgcatagg agataaagtt agagaaaatg tccattataa	480
gtgggtctgc atttcaaggt naagcattcg gctttatcct gnggacaatt aaagaattag	540
gaaatcttnt gatagaatag ga	562

<210> 6997

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6997

```

ggaacaagac agagtcttgc tctgtcaacc aggctggagt acagtagcgt aatccccgct   60
caatgcaacc tccgccccct gggttcaagc aattctcctg cctcagcctc ctgagcagct  120
gggactacag gtgcccgcga ccacatccag ccaactcctg tatttttagc agagacgggg  180
cctcaccatg ttggccaggc tggcttcaca ctctgacct cgtgatccac ctgcctaggc  240
ctcccacagt gccgggacca caggcatgag ccaccgcacc cggccaggca ttgatttctt  300
aacaggaca caataagcag taaccataaa ggaaaagatt gataaagtat atttcattaa  360
aattaagata cnttggccgg gtgcagtagc tcatgcctat aatcccaaca cttcgggagg  420
ccgaggcagg tgtatcactt gagcccagga attcgtatcg ggctatgcaa catgggaaaa  480
cccatgtnt agtaaaaatn ccaaaaacag tgancatggg antggctctg taggnccann  540
ttctttggg                                     549

```

<210> 6998

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6998

```

caatgttcat tgcagcttta tttgtaacag caaaatacta aaaacaaaac aaaaatccta   60
actgattaaa tgacatcatt aggaaatggc taaagggtgtt attgcacatc catgcaatgg  120
cctttttcct ttttaagccag tgattctnaa ctgggcacaa ttttgcccga tctagcaatg  180
tctggagaca ctttggttgt cacaacagtg gaagaaggta tgccatagca cctaattgggt  240
agaagccagg gatgctgcta accctccttt gatgcacaag acagccctcc acaatgaagt  300

```

atattcagtg canaggggtcc ttgacttatg atgggattac atctcgataa acccattgta 360
 agttgaaaat attaatgttt atgagaaccc atggacacag ggaggggaac atcacaaact 420
 ggggcctgtc ggcggttgg gggcaagggg agggagagca ttaggacaaa tacctaatac 480
~~atgtggggt taaaacctag atgacaggtt gacaggtgca gcaaaccacc atggnccatg 540~~
 tatatctatg catnatacct gg 562

<210> 6999

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6999

gagacggagt ttcactgttg ttgccaggc tggagtgcaa tggcgcgatc tcagctcact 60
 gcaacctccg cctcctgggt tcaagcgatt ctctgcctc agcctcccga gtagctggga 120
 ttacaagcat gcgccaccaa acccagctaa ttttgtatit ttagtacaga tggggttitct 180
 ccatgttggt caggctggtc tcgaactccc gacctcaagt gatctgccc ccttggcctt 240
 ccaaagggtt aggattacag gcgtgagcca ccatgcaggg caaatttttc tattttttta 300
 gagacagagt ctccctctgt tgcccagggt ggagtgcagt ggtgttacca tagctcactg 360
 cagacttggc ctcttgggt tangcaatct tctgcctaa tctctcaaag gaactggaag 420
 tgcaagcccc gtggctggct aattttttna tttttggttg aagaanggt ctcaaactcc 480
 tgggcttaag aaaancttct ggcttggnt ctgaatagct gananccag gtttgtgcca 540
 catacctgnt taaaattcgt t 561

<210> 7000

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7000

gatagagtct cactctgccc aggctggagc gcagtggcgc gatctcagct cgctgcagcc 60
 tccacctccc gggctcaaag taattctgcc tcagcctccc gagtagctgg gattacaggc 120
 actgccacca caccagcta attttggtat ttttagtaga gacagggtgt tcacatgtt 180

 gcccaggctg gtctcaaact cctgacctca ggcgatctgc ctgcctttgc ctcccaaagt 240
 gctgggatta cagggtgtgag ccactgtgcc cagcctcatt ctatTTTTTT tgagacaggg 300
 tctcactatg ttgcctaggc tggagtgaag tgtctattca caggccactg ngaatattcg 360
 atcctcccg ctcagcctct tgagtagccg ggattacagg caccagcatc aacaaagact 420
 gtaaaagatt ttcaatgaat caaggaaaga atcttaacta gttgtttgag ctgagtttnc 480
 tatggactaa aaatgcatga aaactgctgg atcttaactg gttacagcag ttccttangg 540
 nataatctgg gtgaccnc 558

<210> 7001

<211> 385

<212> DNA

<213> Homo sapiens

<400> 7001

cttctgnatg ccacctttat tngttttccc caactcctgg gcccctatgt aaactggcca 60
 catggctact gggctcctgg ccttcctagg gctagcagct ggtgggcaaa cactctgccc 120
 tgctggagag ctgccaggcc atgcccgggc acaggctagt ggggctcctg gctcagtcct 180
 gatagcagng ccaggagggc gtaaagtgca cacatgcggc cctgggcctg cggctcccan 240
 cacacgtggg gagtgtcctc cccagctgt aggccacact cgtccagcaa gaccaggcc 300
 ggngctcctt cgccccaaact gttccccaga agcccggggg gcagggacat ggtgctgcnn 360
 tcctnccacg gggcantntg ntcaa 385

<210> 7002

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7002

gagacggagt ctcgctccgt cgcccaggct ggagtgcagt ggcgtgatct cggcccactg	60
caagctccgc ctcccgggct nacgccattc tcccgcctca ncctcccag tagctgggac	120
tacaggcacc cgccaccacg cccggccaat tttttgcacc tccagcagag acgggggttc	180
accgttttag cgggatggt ctgactctcc cgacctcatg atccgcccgc ctnggcctcc	240
caaagtgtg ggaccacagg cgtgagccac cgcgcccggc caaattagg gattcttata	300
aggaagagaa agcagcacga ggagggtca caaaggaag tgaggctcac tagaacagcc	360
ccaggcataa attgcagggg aaacctgaaa tcaactgntc ctaacccaaa acaggcacgt	420
tcgtcaagca tgaaccagca gcaagaanct tctttggnat tcagtcncaa ggatctaata	480
taaattcang gaccttgna ggctattgcc atggngactg gtaaaatcta ggaaatcanc	540
ccttgctt	548

<210> 7003

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7003

ggcagtgcc aagcagaata gaaaagtcac atcaccaaga taatgaatga aaagatgtat	60
tagagtattt ctgtgggagg gcccatgcag gaaagttgca tcacatggt gttggacca	120
gagatatgtt gaaataaatg attccagcca ggtgtcgtgg cacctgccta taagctcagc	180
actgtgggag gctaagacag tcaaatcacc tgaggtcagg agtttgagaa cagcctgacc	240
aacatggaga agccccgtct ctatcaaaaa taaaaatta ggtgggagt gtggtgcatg	300
cctgtaattc cagctactca ggaggctgag ccaagagaat tgcttgaacc tgagaggtgg	360
aggttgttgt gagctgacat ggtgccattg cactccaacc taggcaacaa gagcaaaact	420
ccatctcaaa gcaattaatt aattaattaa taaaagaaa tcatgatgca tgcagagctc	480
agcagganaa gagagtacag catgtaggtg atggaccccc taatgcccac tacaatttcc	540
ntagcacncc can	553

<210> 7004

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7004

```

gcttcacagt ggtttaatat gaacagagtt gaatatgaca ttgtctgaca gaagaatgaa   60
cagtttgctg aataaaagcc ccgagtcagg atatatatac acagcagaaa tggggcctca  120
gactctcagc acttgtgcac aatgaaagag gaaatcgttt ttaaaaaatg tctataacag  180
aggatacaaa tcaaaaaggc agcaacaaca acattggcga ggtgggaaag ggagcagagc  240
ctctcattag gggctgctta gcccctggcg caggctcagc agctggagag ctgtctcagg  300
gaacttcaac atttagatgg gtccaaatc ctatgtcaaa atacaatcct aatctctctg  360
atcagggtca gtcagaatca gcaatccttt tccacagtgc cctgcataga aaactccaat  420
ctttccatga tagggagtct aagcaaagag cccccacctt tcacctggca ccaaagttaa  480
cttactctta cccaccact ttgggacaag acgtttggcc ccagcaacaa accaaccctt  540
tcaagacagg aanccngatt gttgcng                                         567
    
```

<210> 7005

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7005

```

gtttcttttt gagatggagt cttgctctgt ctcccaggct ggagtgcagt ggtgcgatct   60
tggcctactg caaactccac ctccctgggtt caagcgattc tcctgcctca gcctcctgag  120
tagccgggat tacaggtgtg tgccaccacg cccagctaata ttttgtgttt ttagtagaga  180
cgggggtttcg ccatgttggc caggctggtc tcaaactcgt aacctcaagt gatccacca  240
cctcagcttc ccaaagtgct gggatgacag acgtgagcca ccatgcctgg tcatgttttc  300
    
```

tggttttttt taagacaggg tctcactctg ttgcccaggc aggagtgcag tgtcacagtc 360
 atggctcact gcagcctcaa cctcctgggc tccagcaatc ctctccttc ctgagcctct 420
 agagtagctg ggaccaaagg tgtacgccac cacacctagc ttattaattt ttgtagggac 480
 aagggtctgg atctggtggc taagctgggc tttaaactcc ggnccctaac gatccttctt 540
 cccgggtttc ctggannggt ngggan 566

<210> 7006

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7006

gaaacagagt ttcgttcttg ttgcccaggc tggagtgcag tggcactatc ttggctcact 60
 gcaacctcca cctcccaggc aattctcctg tctcagcctc ccaagtagct gggattacag 120
 gcgtgtgccca ccacgcccag ctaatctttt gtctttctag tanagacggg gtttcacat 180
 gttggtcacg ctggtctcga acccctgacc tcagatgata cgccctcctt ggcctcccaa 240
 agtgctggga ttacaggtgt gagccactgc gcctggcctc ctaaactctt tcttacacat 300
 tttcacatca tcgccaagtt ctaaagagtc aacctcttta gtcccttgaa tttgcctctc 360
 ctctcttcc ttcctcagc tttgtgaca actctatttc ctctctgact tgggtgcgaaa 420
 gattcccacc tgggtctccc ctacttttct ctttaatctg ntcacctac ttctgttaga 480
 ggattctctg gtaaatacatt tctctctcat tcaanggggt tgccanagct ttncatttaa 540
 ctcttaagt taccatn 557

<210> 7007

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7007

aatttaaacc agtgccgtgt taggcaaggt aaaagagtat taactcagta ctgcccttga 60
 ggggaccact gtctagagac ataggctaag gatgcctgga aaatgaaatc acagctgtgc 120
 ttcttgcaaa ttactctctt gactacgtaa ttctgtctcc tcatctaact ggggcagctt 180
 ccaaggcaga agagacaagg cctctccaat ggaatgagta ttctctccag gtctcctcca 240
 tctccacaac tcaggtcagg gtttcaggac taagcagggtg tttgggctgt gctcagggcc 300
 aataagtagt ctctgtgtaa cacttgccaa gaagccagggt cagttctaac acccctctgc 360
 aggaatgacc agttcaatga aaaaaatcaa gcatgctgca atccatctaa tcacaaccag 420
 gcttcgtctc caccctgact tccccatgct tggcccttcc aaccaagtg ctaattggga 480
 accactgnac acaactgnta accccacatg gggtgggaag gtcttaaagc accaaaggct 540
 tgactgggca tcggngggg ggtn 564

<210> 7008

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7008

gccagctctt tatagaaggg ttggccttta ttgactctgg taaaatgacc ctcagttgaa 60
 gggggggggg gtcanagtct gaaaaacaca agactatact gactcttcac tntagccttc 120
 ttactcactc tactattttc taaaaactcc ctcagtaact gaccaaagat cagccttatg 180
 ttcatgctat ttcanaaaga aatgaaaaac attcagagaa gtggagataa gaataatctt 240
 gctgatgtgg aaaggntcta tcttgctttt gattacagcc aagctcaagt ttcttgaacc 300
 acttatgcc aactgnggcc agcccagata acactaataa aacctaaaat tcatngttta 360
 atatctcaat ctggattgga ttataacaaa tcatacagga agttgtggca acatgggttg 420
 aaagagttga ttataccagc ctgctctca atactttttg ngacgtaacc aatttttagn 480
 ttttgggaaa aatntnttat caaagaaaac aatccaaang tttggcnctt tcnaaaaaat 540
 ttctttttac c 551

<210> 7009

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7009

atgtcaagaa ggcctcatgt ttcttggacc catcctcctc attttctcat cccaggcttc 60
 tccgagatac tgtttatgct gaggaataag catattctgg cttactgttc acagtggagg 120
 gagtttctcc ccttctagat aagtttttat cccaccagtg ttctgcttcc ccagtagaga 180
 ctgtgttaag aaaagaggca aatttgcttt ctcagactgc acagagcatc tcattatattt 240
 gtgaagcccc atggccacct atttctgaga catggggcat ggcggaagcc agagttattc 300
 ttggctgtag attttattca tccttttcca ccttgatttc aatgaatgag ttcaagtcag 360
 gacagcaggt tttgtggggt tggcaaaag atggggagcc aggtgcattc tcatcccctc 420
 cctcatcttc ctcttcttgg aaattaggat tgnaaaagtt ctggtggaag gagctgggct 480
 tcagcagaag gcagtctgtc tganggangc ccatacacac ggttggcttt tggngcctgc 540
 ttaaagntag catccaggng gagcaa 566

<210> 7010

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7010

gttttgtttt tgagatggag tcttgctctg ttgcccaggc tggagtgcag tggcatgata 60
 ttggctcatt gcaacctgcc tcagcctccc gagtagctgg gattgcaggc acgtgccatt 120
 acccccggct aatttttgta ttttttagta gagatggggt ttcacatgt tggccaggct 180
 ggtctcgaac tcctgacttc aggtgatctg cctcccaaag tgctgagatt acaggcatga 240
 gccactgcac ccagcctgag gctgcatctt tcttggggct tctcccagt accccttcca 300
 ggtacttcca gacaccctcc ttggttcctt gacaaggctc tttctgatgc ccttcccagc 360
 ccagaacccc acctncagaa ggcaggcagg ggtgcaggca gcagccgggc caggtgccca 420

cctgtgtttt ccagcaatgt cttgggtgtg ttgggtcggg taatgatttc caccaagttg 480
 ttgangacca tctgcacata aggctgcata tctgccctgg gggacaccca gtcagagccc 540
 tgaaaagccc cgcaaccaca gggg 564

<210> 7011

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7011

gagaagtttg tctctgtcct gggctcctta cccattgacc atttgctgtc cacctactgg 60
 gcggatgttc tggcctgagt caaccctctg tcccactctg tcaccaggt tggaatgcaa 120
 tagtgtgac tgcactcact gcaacctcca ctccctaggt tcaagcaatt ctccctgcttc 180
 agcctcctga gtagctggga ttataggcac acgccaccac gccagctaa tttttgtatt 240
 tttaatagag acgggggttc atcttgttgt ttaggctggg ctggaactcc tgacctcagg 300
 tgatccaccc gcctccaact cccaaagtgc tgggactaca ggtgtgagcc accacgccc 360
 gctgacctca gtcttataac cacaaggaat tgaatttggc aaagcccagc actgctatca 420
 ccctgatttt ggccttctga aaccataggg agtgaactga ggtgagccat gccagacttc 480
 tgacctaaaa gagctntaag ccaaaaaagg ggggtgncctta actctacatt ggggtaactt 540
 nncagcaat ggaaaactta tttt 565

<210> 7012

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7012

cttcccccaga gagttaagca caaaggaaaa catttcaata aaggatcatt tgacaactgg 60
 tggattttct ggtgtggcgt ctcccttgag ggagctagct cctttgtggg gtggtcagtg 120

gggtcagggt ggcagaacct gtggagaagt aacaagcacc ttgtcgtggg taacaaaact 180
 gccctgtatg ggctgggctg agctcagaaa ggaagccttt ctttcctttt tttttttttt 240
 gagacagagt ttgctcgtt gcccaggctg gaggcaatg gtgcaatctc ggctcaccac 300
 aacctctgcc ttctagattc aagcaattct ccagcctcag cctcctaagt agctgggatt 360
 acaggcacgt gctaaaagac agtgtttctc catgttggtc aggtcaactc ctgacctctt 420
 gatacgctg cctttggcct cccaaagtgt tgggattata ggcatgagcc accatgcctg 480
 gccaggaagc actttttgna gactatcatg aagcctttct aagaaatgct ntaacaaaac 540
 cggaacacat ggggaagtgt anctnt 566

<210> 7013

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7013

agttttagc aattactctt tattccaata ttataataat cctcactcta taatcataac 60
 ctaggaaaaa ccaggccata cagatatagg agctgagggg acatagtgag aagtgaccag 120
 aagacatgag tgtgagcctt ctgttatgcc cagacagggc caccagaggg ctccttggtc 180
 tagtggtaac gccagcatct gggaaaacgc ctgttgccaa gtagaccgtg gtctagcagt 240
 agcgtcagt ccaaggaaaa atacctgcta cttagcagac cgggaaaggg agtgtccctt 300
 tccctggggg agtttagaga agactctagt cctccacctc ttgtggaggg cctgacatca 360
 gtcaggcctg cccgcagtta tccaggggcc taaccgtctc cctgtgatgc tgtgcttcag 420
 tggtcacgt cctagtctgc tttcgtgtc catcctgtca cctggctttg ccttttanat 480
 agcagtagaa aaattagtga aagtnctaaa agtcctttga tatgccgaaa taatgngta 540
 agctgctntc ttttttccct tntttt 566

<210> 7014

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7014

gagacagagt cttgctctgt cgcccaggct ggagtgacgt ggtgcaatct cagctcatgc	60
aacctctatc tcccagggtc atgccattct cctgcctcag cacccccagt agctgagtta	120
acagggtgcgc accaccacgc ctggctaatt tttgtatttt tagtagagag agggtttccc	180
caggttggcc aggctggctc cgaactcctg acctcaagt atccacctac cttggcctcg	240
caaagttctg ggattagacg catgagccac cgcaccacgc cccactttcc ctattttaca	300
catgaggaga ctgaggcttt gggaggtaat taatttgctc tagctcacac aggtagcaac	360
tagtggactg gaattggaac ccagtcagtc ttgattccag acccaagtta ttataccacc	420
cctcgcccag aagttctcat gtgggctaca cttcaagagt taagtcttgt ttgaatctcc	480
agcatctagt ataatgcctg acacatattg aaaactcaaa tgcttattga ttgaatgaat	540
gaatgaangg nccaatggac caatg	565

<210> 7015

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7015

gaggcgggtgt tttgctcttg ttgccccggc tggagtacaa tggcatgac tcggctgaac	60
actacctccg cttcccgggt tcaagtgatt ctctgcctc tgcctcctga gtaggtggga	120
ttacaggcat gcgccaccat acctggctaa tttgtatttt ttagtagaag cgggggtttc	180
tccatgttgg ccaggctgggt cttgaattcc tggcctcagg tgatctgcct ggctcggcct	240
cccaaagtgc acccggccaa cacgtgtttt ttcaaagag ttaataataa tgttaagtgc	300
tttaaaagct cttaatgtgt catatgtgtg aagtatcata ttatttgtgt cacaatgaat	360
ggagttatat aactattata acaaacacaa tgggcccttc taagagttac tctgtttcat	420
tgagagttct ctatctgttt aagtagcacc tggtaggaag tttcccaact tacctgagac	480
ttgaagtaaa gtttcttgtg gggtaggaag tcactctgcag aagccaatgn ctaaagcat	540

gaatgtntgc cnaaaanaag gc

562

<210> 7016

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7016

caatcttttt tttttttttt ttagacagag tctcactctg tcgcccaggc tggagtgcag 60
 tggcaagatc tcagctcact gcaaactcca cctcctgggt tcaagcaatt cttgtgcctc 120
 agcctcccga gtagctggaa ttacaggcgt ccaccacat gccagatag tttttgtatt 180
 tttagtagag gcagagtttc accatcttgg ccaggctgggt cttgaactcc tgacctcgtg 240
 agccacctgc ctggcctcc caaagtgtg ggattataga cgtgagccaa aacgcccgtc 300
 ctggctcttg actttctatc agttaagggtg aaaaggaaaa catntcgcag cacctgtgtg 360
 aaaaaccaac acatttttcc agaagcagga actgctaact gctctgtggt agaccaagtg 420
 gtctggcttt gatccagatg gctggtacac ctggacacat atgtcttga cttcctctgt 480
 aagtgaacc ccagggggtg aaaacaggac tttcaacacc taatcctgna ataatttta 540
 ctccaggtg atttactatt tncagaaact tttngna 577

<210> 7017

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7017

aagtaaaaac aggggtctcac tttgctgctc gggatggtct taaactcctg actacaagca 60
 attccccac cttggcctcc caaagtgcta ggattacagg catgcgccac cacaccacgc 120
 aaatttcttg tctttttgta aaactcaatt gaaagtattc catcttgaca ttctgacagt 180
 tctgatgttg tgcaagcatg caggcttcat tcaactctgc tgtcggacgt ggccacaccc 240

tcctttgaag gaagaggggt acagcaggcc aagatgctcg gcagcctttc ctttccagtc 300
 ctcttttgca attaagtaaa ttcctttaat ttttaaaaaa ttcagtttat tgagagatga 360
 catatatggt aaaatgcacc catctgaagt gtagagttca atgagttttg acaaacataa 420
~~catcaagcca caatgaagat acagaatatt ctcatcatgc ccagaaagtt cccttgtacc 480~~
 cactggtagg gagtctttcc ttcacacca acccangcaa cacagacatg ccntntgncc 540
 ctatggataa gtttaacttc tanaaatgcn aa 572

<210> 7018

<211> 244

<212> DNA

<213> Homo sapiens

<400> 7018

gagacagagt ctcgctctgt ccccaggctg gagtgcagtg gcacgatctc agctccctgc 60
 aacctccgcc tcccaggttc aagtgattct cccgcctcag cctcccaagt agccgggacc 120
 acaagcacct gccaccacac ccggctaatt tttttgtatt tttaatagag atgggggttg 180
 accacgttgg ccaggctggt cttgaacncc cgacctggag aactgnccac gnnggncgnc 240
 naaa 244

<210> 7019

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7019

gtgatggagt tttgctcttt cttgcccaag ctggagtgca gtggtgtgat ttcagcacac 60
 tgcaacctcc gcctcccggg ttcaggcgat tctcctgcct cagcttcccg agtagctggc 120
 gcatgccacc acaccgcct aatatttgta tttttttttt ttttagagat ggggtttcac 180
 catgttgatc aggctgctct cgaactcctg accttgtgat ctgcctgcct tggcctccca 240

aagtgttggg attgcaggca tgagccaccg ctcccggcca aacatagtat aactttctgc 300
gcagtgtttt tagttatcta gaagaaagtc tcctgccatg taagtcttta atataatctg 360
aaattaataa tgttctctgg aaacaaacaa aaaaatcttg cccacagaca atattttattc 420
~~ttatgagttg tcaatctcct tagcaataat atgtcacaat tttgtctgct gcaacagaag 480~~
aaaaacaagc tgnacacaca atacaaaatg ccttaatttc tgganggccccc aaaagggcct 540
tcaatgncnc tggaattaag gcnttggca 569

<210> 7020

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7020

acaacaattc gtttgttttt tataaaaaaa aaaaagaaag gaaaaaacca aagaggcgaa 60
atgaggactc actgggagag cgcgccagg ctgcgtcttc catgcgatcc ggatccaccc 120
agcatgtccg cagttgggaa ggggcggcgg ggcagagaga tacggagacc tggccaggcc 180
gggcggtcag ggcggtgggt gggcccgcgg aggggccatg tgatctgtgg ctgaaatgca 240
cgggtgcagga tgctcccggt ttctcccttt gtgttaacac gttggtctgt ccctgtgacg 300
aaagtctggg ctgttcctca gccaaatcta ctctcccaa cccgttcct cctcacagga 360
tcatcagaga gctgattgtt attttttact gtaatctctc taatagaagc ccatcatgtt 420
tagcgatcag agagcactga ttgcttcggg agttccagaa atgttattgc tgggtantca 480
nggncaggat ctcaataagt ttctctgatg aagactttat atgcttaact tccaataatt 540
tttccaaggt aagtaacttg gtcnaaggaa aaa 573

<210> 7021

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7021

gccatctggg gtctctttgc tttgctacta gacctgacat tccccagtca taaggtggga	60
agatttcate acctggaacc agctacatcc tggatccctg gatgggtgac ctttactgaa	120
aggeetatgc ctatgagcta gacgcttcct gcagttcccc tgggggcctg ggtcttcagt	180
atcaaaaata tctccttggg ccatcacaga gacccccctct ccttgctgct ataccctcc	240
cctgaacatt tagagtaaaa ggattgtgct aagatgggtat ctcttgtgct taatgccact	300
gatgatgtgg gacagacaag cccaaggtgc ttcaaagagg atcaaggaca tgagaattgg	360
tcccccttag ttgtgggaca ggattcagca ctgcagatta ggtcggacaa tatcaaagnt	420
tccaacttcc aagagaaatc aaagaatcct tcnttancca ccctgaggca ccatnnggc	480
ccttcttaag gaaactcctt ttttgccttg ggctcaagca agncctttgg nccgggggtac	540
ctttaaacc cntagctnt aanagtan	568

<210> 7022

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7022

gagacaaagt ttcacactgt caccaggct ggagtgcagt agcgcgatct cggctcaccg	60
caacctccgc ctcccgggtt caagcaatc tctgcctca gcctcccag tagctgagat	120
tacaggcacc caccaccaca cccagctaatt tttttgtatt tttagtagag acatagtttc	180
accatgttgg tcaggctagt ctcgaactcc tgacctcatg attcaccgc ctcagcctcc	240
caaagtgtg ggattacagg catgggccac cgtgcccggc ccagagtctt taagtgcctg	300
tttttcacac accgttgcct gctgtgcat caatagaact gaaaatgcag catttctttt	360
tctttctctc tctctgcct tctncctcc ctactccct tcttcttcag catgatctcg	420
gtcactgnaa ccttcactc cangttgaag taattgcct gcttaagcca cccaagtagc	480
tgggatacag gcatgcggga ncacattcng ntaatttga ttttaggta agacggngtt	540
tatnaggtgg tcaagg	556

<210> 7023

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7023

```
aggcagagcc ttaatctgtc acccagtctg gagtgcagtg gcgcaatctt gactcactgc 60
aaccceccatc tctcagggttc aagtgattct tgtgcctcag cctcccaagt agctgagatt 120
acacgcatgc accaccacac ctggttaatt tttgtatttt tagtagagat ggggtttcac 180
catctcgccc aggttcatct caaactcctg gcctcaagtg atcttccac ctcagactcc 240
caatatgctg gaattattgg catgagccac catgcccggc tcaaaataat agttttgaga 300
aaacgcagtg acctccaaga tgacacagaa aacaaattta gaaatttatc agagaaattt 360
aacaagaga ttgaaataat tttttaaaaa tcaaacagaa atcttgggaa ttgagcaata 420
catttgctgg gctaaaaaat taattacagg ccctnaacag caaaatgcat tggacagang 480
aaagaagtca gtgagcctta aagagaaact tttnaatntc ncaggtngag gccaaggaag 540
aaaaangaaa ggaacccgnt c 561
```

<210> 7024

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7024

```
cctactagag caaaccattc agaaaatgag taccaaaggc attcattatg taccaaatat 60
ggaagaaagt actaatatac attgtgcctc tgtggacatc acactatgat cagttaaaaa 120
taggcacttg gcttaaaact ttaagaattt cccactgcaa aaggatcag ctctttaatt 180
ttttttgaaa cagtcttcct ctgtctccca ggctggagtg cagcggcgtg atctcagctt 240
actgcaatct ccatctcctg ggttcaagtt attctcgtgt ctcagcctcc tgagtagttg 300
gggttatggg cacatgacat cacgctcggc tttttttttt ttttttttag atggagtctc 360
```

gctgttgnc c aggctggaat gcaatgggta cgatcttggc tcactgcaac ctccaccttt 420
gggttcaagc gattttcctg cctaaccctt cagtantctg ggatacaggc gcccacacc 480
acgttggcta aattttggat ttttgnagg catgaggttc nccatgttgg caagctggtc 540
teaactggcc cgtttgg 557

<210> 7025

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7025

cctttatttt attcactgac atctctcaga cctagaccag tgcctggcat atcctaggca 60
tacattatat tgaatgcatg aatttaaaca ttttaataatt ttaatttcac agttgtcttt 120
taatatttga gatttttacc agatcttgca cattctgttg ctactagaaa agcccccttt 180
ctatgggctt gaaggataga aaaatcttag cctgacttca ctaaccagta taaatccagt 240
ggccccagga aggctgggaa catcctatgt gatcatcctt gattttggac cctaaaacga 300
aagctcaact tcacactcat ctggaaacat ctaatatctt ttcaaacaca tgtattttgt 360
tcccccaact agacatgaaa cacattgaca gaaattgcac aaagtattca gcacagtcct 420
gaatacttca taaagacata aaacctggct tttagcggac ttagngacat ttttaaagng 480
ctaaggttac taagctcaag aattttcccc cccaatcaaa acggggaact ggggtatctg 540
gactaaggnc cccggccntt aanaaa 566

<210> 7026

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7026

ctgagacaga atctagctct attgccaggc tggagtacag tggcatgac tcggctcact 60

gcaaccaccg cctcccaggt tcaagcaatt ctctgcctc agcctcctga gtagctggga 120
 ttacaggngc ccaccaccat gcccggttaa tttttgcatt tttagtagag acaggctttc 180
 accatgttgg ccaggctggt ctggaactcc tgacctcagg tgatctgccc accttggcct 240

 cccaaagtgc tgggattgca ggtgtgagcc accgcacctg gcctctatft tttttaaaaa 300
 aaaaaaggaa ggatatggca ggagccatta ttcttattgt ccagaagaac ctgatactca 360
 gaatttattt atttatttta aaaaaagaga cagtcttgct atgtgcccc aacctggtttt 420
 gaactcttgg nctcagctga caattttttt ttttgagaca gagttcactc ttgtgcntan 480
 gcttnaatac aatggcacgg cttgtggnnt ancaaacntc aatttccaag gtcaagggan 540
 cttt 544

<210> 7027

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7027

ctgcttcccc agcaacatct gcgtgtcggt ctgcttttat tacctcccag actgagcccc 60
 cgacctggcc cagcctggcc cgtccccaat ccagtgggct ggccaggcca cctgcaccag 120
 ggaggacagc tgctggcagg gactaataaa cccttcacc tggccatggt ggtggtgttc 180
 tctatggacc gaggccctga aacgcgggca gggaggggca gagaacgcac tggcttgggg 240
 gtgggcacca gcctcagacc cctcagcagc tttgggccct cggccgactt tcccaggcag 300
 tgcaggctag ccagctccag gagtgtgcag cctggcttgg gtcgagctct gtcacatctg 360
 gataagcaac tgggggctga gagtcccagg gcaagcctgg cccaacaggt caaggcgcca 420
 canggggcca tcaggctccag ctggcgcaag ccgcanggga aggtctgctc tgacctgggt 480
 gcttgcattg gtccttcaag ttgcacactt gaccaagcaa ttccganggg tacaagcttn 540
 ccaagacact gtcanttn 558

<210> 7028

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7028

```

gcttagcttg tttccccctg tgtagaattg taacagatcc atgtgttcca attattttct 60
tttttaggat tatatttcac acatttgggg gccctttttg taaaaatatt ggcatgtaat 120
aaggaaaaat tgcccatgat gctgagataa taccagtgtt tttagtggta gaaaatatta 180
tttttttata aaccatatct aaatatcttg agataaaaaat tcccctttga ctttttttcc 240
tctcccttgt ttggcaaatt ccattttaaa attataaatt gctaaaaaat gtcctttcca 300
tactatttct ctcttccttg tactcatcct aagaagtctt aaatctggaa catttgcttt 360
tatcttatct atctgtttcc tggctactag aaagaaattt ttttagcact catatcaccc 420
taccatgaag gtctaaatgt aagatgactg taggacttga aacaaaaaaaa aattaaaaag 480
gatccacact cattcttggg attttgaagc caaagncttt tcctaattct taaaggatat 540
tggggatggg ttaacttaaa agnggn 566

```

<210> 7029

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7029

```

gcactttttt gtctgaagat ttatccttcg ctgctgcctt tttcagcttc aattccactt 60
ttgcaggagc aggttttagct gacaactgca ccagtctcct cttgggctct tccttggtgg 120
ccccttcagc agagctgacc ttctcttgg gtatcctggc aatggggagg gtgcatgcca 180
ggtgcctgca gagccacgag agcctttgca aagctgggct gcccggacat tttccacttt 240
tatccacat ggaagcaaag gattttgtga acattttgct agtaaagccc catttccta 300
atgtcaagta atggctcctg caactaatca ggtaataaat tgcattatca tatttgtaac 360
caccagctc aaaatccact gaaattttca cttaaaggat tttaaacag attaagaaaa 420
acactggtn ccaaggttaag ggtgaaaaat ntcaagaatt tnaatanggg gacagaacaa 480

```

ttttnggcac caaaaatcnc attaccaatg ggaaccaaaa accatntggn tttcaaaaag 540
gtcctttcca tagtanaaaa 560

<210> 7030

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7030

atctttccag ttttatcaaa cccaagcat gttaaaaaca gtctgagatg gtcagtgagt 60
ccaaaaagca gatgaattca tcccgtgcta atcgcagggc taaggaaaag acccaactga 120
aaaagtttgg aacagcaggc ctggatgggt attagtctct cactccatcc aataagcaca 180
ggctctcttc caacatgcc aagccagga actgaaaact acgcacgggtg ccgtgaagtc 240
gttctggctt ttgcagccac cggtgttctt cttggaggca cgtaactgca ttacaggaaa 300
tcccaaaagg cagcatttcc acgtagctct ggctccacc tgcaattaga gactccctcc 360
agaattcttc cggctgccgg gtatgggaaa ccaaatggc ttccaccaa agaaagtaac 420
atcttcatgc tctgcgcacc ggagatgagg ccccgactca cctctgaaga aagcaaagca 480
tgtgcccttt agaatcnaag gttggactct tgaaaagtgt gtggtcangc atgtttcang 540
ggactggctt ttaancn 557

<210> 7031

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7031

gcacatgaga agtgtcacgt ttaatgaagc cagcttatca gcaggcggc ggagcacacc 60
tgccccctcg caggtgtgcc tggctcgggc taaagtgcct gtgcagaacg aggctgcctg 120
gcgggggttag gagtcggcgc cctcgtcctc ctcctcgggc aggatctcca ggctgctgtc 180

gggctgcggg gctgtgtccg tggagggcgg cggggtgggc ggggcccggg tgggcgacag 240
 aggcagcggg gaggcggttg gcgaggggct gtggggctct gcgggcgggg ccagccccag 300
 gatctcctgc acgttgtggg gcaactcggg gcaggcggtt agctgcggtg cagggcctng 360

 gcgcgggtca acacgtcctc acgtttaagn ttcataggca agcttcgtga tgggcttgag 420
 gatcttaatt ggagnccaaa nccggacagc atggaggggg ncccttttca tgtccaagaa 480
 tggnaaggc caccaacang tgcaaaattg ggnnaaggg aanccttttc acaagaactt 540
 ccacaagccn aaggacnt 558

<210> 7032

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7032

atattatagc ctcttttagc tctttaagtc ttctatgggt ttaatgggag gcttttagtgg 60
 tgtatagagg gtgtgtgtgt gtgtgtgtgt gngcgtgtga aatggattta 120
 ttttattcta caaatgaaat gaataaaatc acctgaaatg gaacggaatg gctacagcga 180
 gtgnccaaag accacaaaac tgtttcctga catgtgctta gcatatttaa attgtttctca 240
 cagtatcatc ctgagagcag agagagcagt ccaactgctc cacaggactg cagagaggga 300
 accaatccat ctattttctc aataatggtg atnacagaga tggaatgctg attgccaaat 360
 cccaaacaca cacgggcctc tcacccaaag gccatgatgc ctttggctta atacngaata 420
 aacccaatcc tgtccaaaca gcttctcang gngcatgttt ttgaaagggg caaaanatan 480
 ctttttgggg nnagcttttc caggatcccc acaaaacatg ccctanaaac tcactagg 538

<210> 7033

<211> 488

<212> DNA

<213> Homo sapiens

<400> 7033

gagatggagt ctcactctgt caccaggct gaagtgcagt ggtgcgatct tggctcactg	60
caacctacgc ttcccgggtt caagcgattc tctgcctca gtctcccaag tagccgggac	120
tacaagecgc cactaccaca cccaactaat ttttgtattt ttagtaaaga cagagtttca	180
ccatgttggc caggctggc tcaatctctt gacctcgtga tctgcccggc ttgacctccc	240
aaaatgctgg gattacaggc gtgagccact atgcctggcc agattcatct actttttaag	300
ggagccagga ttggtttcag ttgcttgga ctgagaagcc tgactgacag tgggtgactat	360
gacttgcatt agaaataaaa gatcactgac tctaaaagca atgccattaa tcaggaggat	420
ttttctcagt gcacacnggc cgtagtgna aatggatnan taaatnctg agnttcaaaa	480
aattagct	488

<210> 7034

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7034

gagacagagt ctagctctgt cggccaggct ggagtgcagt ggcgcaatct cggctcactg	60
caagctccgc ctcccgggtt cataccattc tctgcctca gcctcccag tagctgtgac	120
tacaggcgc cggccaccaca cccggctaatt ttttgtatt ttagtagag aggggggttt	180
caccgtgttc gccaggatgg tctcgatctc ctgaccttgt gatccacctg cctcggcctc	240
ccaaagtgtt gggattacag gcatgagcct ccgcaccgg ccataacttt tcatttgcta	300
aggtaaatac ctaggagtgg gactgggtgg tcatatagta agtatatgtt taactttata	360
aaaggctgcc aagtgttctt ccagagtgc tgcgtcattc tccactcca ccagaaatgt	420
gtgcaagtgc tagntactcc acattcttnc acatnacttt ggtcaaggtc aagtttttct	480
atttttagctg angngngngg gggcttacta atgggttttt tgggttgggt ttttgggaag	540
gcaaggncct acttntggna nccaggcagg	570

<210> 7035

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7035

gagttcagca tgtatttttaa tgttgcaaag gaatgacaac tcagcaagct gtagaaaatg 60
gcagaggaga cggggtaata acagaagcaa tgaagactcc tggatgtacc caaggacacc 120
ctatggccag cagcttggtt tctcccagaa tcagttttaca gacttgctca gcctgcggga 180
gggcccaggg atcatgcagg aagaaaacgg aatacgttg attctggaat tggtcatttt 240
aagacacttt tagtaagatg gtttcatgtc tacacccaag tcttgccaac caagaagcat 300
caacgtgaac agctcagaga cattcctgca caggagagca gggaggaggc agtggaagg 360
tacctatgag cagcagtgcc cgggggcgt ggccaccttc ctgcgcaccg gatacccttc 420
cccgaccac aggggttcac ttacaggttn cccaccttgc agcaacagt angctcaaag 480
tcaccacac ttcatacatn ccttttgtca taccctgcct gnatgggnt tcgntacct 540
acaaagccca caaaggggca acg 563

<210> 7036

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7036

aatatctatt atcatccttt attttgatca aaacaaatca attttttaa aaatcttagg 60
tttttttaag aagcagaaat aatttccaaa ttgcctccag agacaatgat tttatcctct 120
gcagaagctg gtcagaacct tcttgatcac agccccagtt agatacaggg aagagtggcg 180
cttcctacag cttcagcggc ctcagctcag ctctgtgccc caaggccaaa ccagctcatc 240
tccagcccca tccatcctat tcttgctgag tcaccagtct catcatcttc agagccatgt 300
ccccttggtc agaaggaacc atatgaccag ctttcagaat ccagtagaaa gcaaggttct 360
tgtaggactt gacaaaagca gatgtttcca aagatttagg gtcactgtca gggccttcac 420

ttcagctgac tgaatttaag gcagtctggn ctttcagttt cgnaccagg cttctgaccc 480
atggnatcta cgatgagatc cagtgnccct ntacacggna cgtggatcct ggctcagaac 540
ttgtccn 547

<210> 7037

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7037

caaagtcaaa tgaatttatt cagaaaaggc cttgcttggt atcagactaa gaaaagcagc 60
cctgccccgc gccccccact ccagaagggt caatttacia agacaggggc gcaggggaga 120
gctgggtggg gaagacacag ccaggccagg aggcttctgc aggccttggg cttccctgag 180
ggcctcgagg cttctggtgg ctgctatagt ggccccacag gaggccagca ctgtgggtca 240
tgggtcacgg gtcacgaagc agagcctgag gggagccccgc agcagctccg gaggccccag 300
cccctgcagc agggacagga ggaccaagac gccgacgggc actcctttcc ttaaggcttc 360
cagacttggc agaagactcc acctctgcgt cctgcaactc tgctgcctcc cgcgccttgg 420
ctggctcatc ccttgtaggt cctgccggct ggggcctggg gtcttccatg ggctntnggn 480
tggcttgccc ccttgaaggc ctggccggcc ggggcctggg gtttccanag ggtnttnggt 540
gggttggccc ttnaggc 557

<210> 7038

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7038

gagagagggt ctcgctctgt tgccaggctg gactacagtg gcatgatcat agctcactgc 60
agcctggatc tccaggctca agcaatcctc ctgcctcagc aacccccaccg cccccacca 120

ccgggtagct cggactacag gcatgcaacta ccacacccaa ccaacttttt tatttttaat 180
 agagatgagg tcttgccatg ccgcccaggc tagtctcaaa cttccgaggt caagcaatcc 240
 tcccgcctca gcctcccaaa gtgctaggat tacagggtgtg aaccaccata cccagcctaa 300

 gtacaatttt ctattgttgc cattcttttt cgttttgaga tggagtctca ctctgttgcc 360
 caggctggag tgcagtggca caaccttggc ccaactgcaag ctctgcctcc tgggttcaca 420
 ccattctcct gcctcagctn ctgagcagct gggactacag gcgcccggca cacgcccggg 480
 tnattttttg gatttttagt aaaacagngg ttcactgggg tagccncgat nggcttna 538

<210> 7039

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7039

agggnacagg tagatttaat gagctttcaa gtaaactgna gattattata tggaagctcc 60
 tcccagctct ccttcacatt tgnactattt tataaactca ttcagtcctt cattccacat 120
 acgttttgcc cctcttatga cccanatgtt cggagtgttg ggaatgctac acaagacaga 180
 caagctccca atgntaaaga actcacattt attttcatta atattactgg taatgnccaa 240
 ctttttgacc attcataggc ttttctctta gattaattat tcagaaatat tagcactaat 300
 ctgaatcacc ttatgtgctt gntaaagcac agattgntgg gcccancancc gagtcttttg 360
 ttcantggat ctaggggtgga agctgagaat ctgnctttct aatttccta gtgatgctaa 420
 tgctgctgtt ctagggacca aacgctggct taagncattg ccaaattgca ttccttcagt 480
 gtaatgacac ttttctttca nggggtnaaa aaaaanttaa aattantaat taataattaa 540
 ncng 544

<210> 7040

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7040

gagacggagt ctcactttat tgcccaggct ggagtgagc ggcacgatct ctgctcactg	60
caacctccac ctcccgggtt tgagcaattc tctgcctca acctcccaag taactgggat	120
tataggcata catcaccatg cccggctaac ttttgtatit ttagtagaga tggggtttca	180
ccatgttggc caggctggc tcgatctctg aactcgtgat ctgcccgcct cggcctccca	240
aggtgctggg gttacaggag tgagccaccg cacttgcca cttcctatat ttcttttgca	300
aaaatgaaca gatacacatg tattttccta tgtctttctt ttacatgaa agggagtata	360
tcgtaaattt tttttgcaact cagcttgctt caaaatattc tagaaatcac tccatatcag	420
ttattatctt cagttttaca gatgaagaga caggcataaa gaggttaagt aactagctca	480
aggcctgnat ctattaagga gtatngctgg gatgtgnaac taanaagttt ggcttcagaa	540
tccatgggcc tttttntaca tana	564

<210> 7041

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7041

gagactgggt tctgctctat tgcccagtag cgcgatcatg gctctcactg caacaacctc	60
ccaggctcaa gtgatcctcc cactcagcc acctcccacc ttagcctccc aagtagctag	120
gactacaggc atacaccacc acgcccagct aatttttgtt agagatgggt tctccttatg	180
ttgcccaggg tggctcctaaa ctcttgggct caagtgatcc tccagcttcg gactcccaaa	240
gtgctgggat tacaggcgtg agccactgtg cccagcgcgc attgttcttt taacaaaaga	300
ttcgctggc cctgtctttg gctgggctcc gcagagatag cgcaggccta gtggacaagg	360
cctctgtctg aaccgggcct atactgtagt gggacggaaa gacaccaaac aatttgcttt	420
cacggggaag aaagtggggt gccaaaaata atgtgggaaa angcctttgc atacagggtc	480
agaaacgggc tcccaaagag atgacatttc acangattct ggctgaaaaa aaccttgggg	540
caaaagaaag ggcttaaccn nggggntn	568

<210> 7042

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7042

```

gagacagagt ctcgctctgt tgcccaggct ggctccatct ctgctcactg caagctccgc   60
ctcccgggtt cagccattc tcctgcctca gcctcctgag cagctgggac tacaggcacc  120
cgccaccaca cccagctaatt tttttgtatt tttagtagag acgaggtttc accatgttag  180
ccaggatggt ctccatcacc tgacctcgtg atccgcccgc ctcagccccc caaagtgtctg  240
ggattacagg cgtgagccac cagcctggc cgagccatca gtatttttaa aaatcttcac  300
gtgattccaa tatacggnaa aatttaagag actacagcaa taatataagc aagagatgat  360
gatggattgg cccaagattg ttagtgatag agatggtaag aagtggtag attctcgata  420
taccttgaag atgtcaaacc acagcaaatt tactactgna aaaattatnn gaacactgaa  480
attattaatg ngtatttttg aacattnaca caccatatt naaatatctt ggatcaattc  540
ttactgaggc atgggaaata atc                                           563

```

<210> 7043

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7043

```

gagacagagt ctcactctgt cacctaggct gaagggccat gaggcaatct tggctactgc   60
aacctctgcc tcctgggttc aagtattct cctgcctcag cctcctgagt agctgggact  120
ataggcatgc agcaccacgc ctgggtagtt tatgtatttt caggagagat ggggtttcac  180
catgttgccc aggctgggtc caaactcctc acctcaggtg atccactggc cttggcctcc  240
caaagtgtg ggattccagg tgtgagccac tgcgcccagc ccagacctcc aatttctatc  300

```

ctcccaggga ctccaggccc agcctggatc tcagagaaga atcctgattg tggcagaggc 360
 tgttacttct cccttagaat ccctcctccc tgtttcggtc ttggtaacca aaccctaag 420
 agtatgagca ctgcacatgg ccaccagcc agagactaca tttcccagac tctcttgac 480
~~tagagatggn tatgtgacca tgctccgggc caatgggata taacngaaat gctctgnacc 540~~
 atctntgggt gacncctttc caaanagtgg t 571

<210> 7044

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7044

cttttttttg aagatggatg tactttctaa gaataagaac attctccac agtactatta 60
 tcacacctaa gaaaatgaac agtggctgga cacgggtggct catgtctata atcccaacac 120
 ttggggaggc tgaggtgggt ggatcacctg aggccagcag ttcgagacag cctggccaac 180
 atggtgagac cccatctcta ctaaaaatac aaaaattagc caggcatggt ggcacacacc 240
 tgtagtccca gctacttggc aggctgaggc aggagaatca cctgaacca ggaggcagaa 300
 gttacagtga gccaaagattg taccactgca ctccagtctg ggcaagagag tgagaattca 360
 tctcaaaaaa aaaaaaaaaa aaaagagaga gaaaatgaac agtaattctt ttcattgtaat 420
 atctagtcca tattcaaatt ggaatgattt cttttttttt tttttttttt gaaaccaggt 480
 cttnttttta ccaggctgg agtcagtgca accactgngg cttactgnaa cttttacctc 540
 tgggnccaag cagncttcan aataaac 567

<210> 7045

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7045

agtagagacg tgggtttcac cgtgtaagcc acgatggctt tgatctcctg acctcatgat 60
 ccgcctgcct caggctccca aagtgcctggg attacagacg tgagccaccg cgcccggcct 120
 gattagacaa tatttaacac tatcttattg tgatgtacca ataaacaaaa caaaacaaaa 180
 aaccacatt gaaacaaatc agaaaaaatt aaagcatgaa caaatTTTTat atagtatata 240
 ataagaataa aagtcaccaca acttaaggct ctaattataa caatgaaata gatccaaagt 300
 tcttgaatca cttttttcaa ttttgaagat gactgttgta aatatatata tatttaaagt 360
 ttcatccaca aggtttatta atcaagtaaa atgtacattt ttaaaccat tcctgggtaa 420
 acaaatattt atttgcaagc ttttcttaat tggactcctc angcacatct aatattgcaa 480
 catatgcagg ttaggaaaat atacacataa tcctaaacaa tctttactta taaatttgaa 540
 tgcntattct aatctaccaa gagnaagatt 570

<210> 7046

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7046

aattgaaaag aaaatcagat tggtttattg cttctgcttg tatacagagt tgaagagcaa 60
 gtttgagtga gtgcctggag tgggcggtg atgaggggaa ttatggaagg gagaggggtt 120
 cctcaagtct gttatTTTTt aagagacggg gtctcgctgt gttgccagg ctggtcttga 180
 actcctgggc tcaagcaatc caccatctc agcctcccaa agtggtggga ttacagatgt 240
 gaggcaccgc acctggcctc aaatctgttc ttgagcagta gagaggaaag gagaaaggaa 300
 gggaccact ggctaaaata aaatacattt ttaagaagg caactctcag tgagtgggtg 360
 tgatggccgc cctgctaggg ctcttccctc gcctcctgga gctcctcct tcctcctctc 420
 ctgtattgct gggcccagcc taatgtggaa gaagagtaaa gctgagctag aagtattttc 480
 tgcttggtgc cccaccaatt taaacacatt aaatttgaa tggaagttct gnccttggat 540
 gaggctttat ctatgngac atnctggtct n 571

<210> 7047

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7047

```

cttttctttt ttttttggat aggcttttgt tctgttgccc aggctagagt gcagtggcat   60
gatcactgct cactgcaacc tccacctccc aggttcaagc aatcttactg cctcagcctc  120
ctgagtagct gtgaatacag gcacgtgtca ccatgctcgt ttttaaaatt tttggtaggc  180
atgaggctctc tctgtgttgt ccaggctggt accaatctca tgggctcaag cgatcctcct  240
tcctcggcat cccaaagtgt tgggattaca ggcgtcagcc attgtgcctg gccactacac  300
atgttactaa tatgacgaac tgaaattatg gatccctaag tttagtagaa taaaatttca  360
gatttcataa aaagactaac ataaaagata ttgatcattc ttttaggcct cctaagtaag  420
atttaagcaa agcataaatt tctgggatat tctcagttca aacacacact nttactgatg  480
tcctgctaag ctttctgatg acaattcctt tatgctttac atcttggaga accaatnang  540
nttacntntt ntacattaac g                                             561

```

<210> 7048

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7048

```

agacagttat aataacaaag gatttattat catttgcaga tgaaataaat gtaccatccc   60
ctacttgaaa ggtttcaata agccttaaca tttttcaggt tgtaccaagg caccgccact  120
gcctagttat attatgcacc catttctaga gtaaaaaaac tacacctccc tcaacatcag  180
ttctgtactg tttctggttt atgatacact tccaaaacag caaaaaattg caaatatgtg  240
caaacactgt ggtccattca gagtactgct tagtcatcat cttcttcttc ctctctttct  300
tcctcaaagc tatcttcaaa gccctcactg tcctcctggt cttcatcccc ctctattgct  360
gtatcccact gtgggtgatt ttctggcaca ggcttagcct catgaacttc caacttcaat  420

```

ggtttaatct gatccaaacc catataggag tctgatctca gaaacacagt atactgataa 480
 tttccaggct tgcctggtgc aggaaacttc aacttntacc tcaggaaagt aaaggctntn 540
 cccaggatgg gtaattttgg atttgggtt 569

<210> 7049

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7049

gatctttcta gaatgttatt tattaaaaat agattctcta tccttcccct caccctgcg 60
 agcaaagtgg cctttcccaa catcttttcc caaatggatg aaacaggtct tgaggacgca 120
 gatgtggcat tctacataaa ctacaggatc aggcttttct gggacagtgg gtctgctgga 180
 gccaaagagt gaacagcaca agacaacatc agcaaaccct ggcgcaccta accgcgggct 240
 gccatggatg cggggacgga ctggagtcc tcctgctcca ggtacaagtc caciaagaga 300
 gaccagcgg cccagcagca gcctcctggg caccaccaga aagcgatgta ctttaagggcc 360
 tcaggcggtc gagaggcaac gtggcttcca catgtgtggg aatgagacta aaaagctggc 420
 tcaaagcaaa atatgaactt ataggaaagg agggccctgg actggcagga agagagagac 480
 tcgtggcaat tctagagatg gcagtgccca accatcaagt tctaaagaga ccatttggga 540
 gtgactntgc cttanccngg gtg 563

<210> 7050

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7050

aatcaaagag aaatattgca ctgtattctc caggataaaa tcaggtagca gatgcggctg 60
 ctgagtcacc caaatgggtt ttagaaaaga aactgctgaa tccagactgg taagtcctt 120

gtagccagtg atttgcgctc agaggaggta ataggacaaa aaaaaaaaaa aaaaaaaagc 180
 cgtatgtgca aaaggaagag cttcaaagaa gtccgtaggg aaggagtgac tgcgacgcag 240
 tgaaggccat tagtcaggag tgttggtggga gagggagagg gcagctttcc tgtgccacaa 300
 gaagatggga gttgggtgga ctcaagaact cagggctgat gtttgagtcc atgctctttc 360
 aatgatagac acacatacct gaaagcagcc aatctccatt aaaaatgtgt gttctttttcc 420
 tcaaaggaga tacaatagac atcagaaaga tatgattatt tcagctacca aagtgtcttg 480
 atatccatct cttcaaagat ccatatggga tgggatcaan gngtcncct gagaaaagtc 540
 ctaagtntta agcncagntt ttatta 566

<210> 7051

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7051

gctatccatt tgcgtagtaa atattcctcc atccctttat tttgagccta cgtgtgtctt 60
 tgcattgtgag atgggtctcc tgaatacagc acactgatgg gttttgactc tttatccaat 120
 ttgccagcct gtgtctttta attgggtcat ttagcccttt tacatttaag gttaatattg 180
 ttatctgtga atttgatcct gtcattatga tgctagctgg ttattttgcc tgtagttga 240
 tgtagtttct tcaaagtgtc gatggctttt agattttggg atgtttttgc agtggctggg 300
 accagtttcc ccttccatat tcagtgttc cttcagtagc tcttataagg caggcctggg 360
 ggtgacagaa tctctcagca tttgcttata tgtaaagggt tttatttctc cttcacttat 420
 gaagcttatt taggctagat atgaaattct ggggttgaaaa ttctttaaga atgttgaata 480
 ttggcccaa ctctattcta gctttaggg tgctgcagaa agatccnctg gtaagctgaa 540
 gggccttccn ttggggggaa cc 562

<210> 7052

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7052

ganacagagt cttgctntgt catntaggct ggagtgcagn ggcgtgatat aggctcactg	60
caacctccac ctcctgggtt caagcgattc tcctgcctna gcctcccaag tagctgggac	120
tacaggngtg ngccaccatg tccagccaat tttttgtatt tttagtanan atggggtttc	180
accatgctgg ccaggctggg ctggaactcc tgacctcgng atccgccctc ctnagcctcc	240
caaagngttg ggattacagg catgagccac tgcgcctggc catcaaaacg tatntntttt	300
cactccagga agttctcctt tctagttaat gaatgtctna cctgaccacc tgaggcaaac	360
agngttttca tttntaccac cacagatcac tttttgcctt ttcttgaact tcacataaat	420
ggaatcattc aagtaagtac ttgntnatat gcatattttn gggtcattca tggtttgctt	480
ggataanang gctttttattg gtgaanaccn ctggatggaa cttactaact attacc	536

<210> 7053

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7053

gagatggagt ttcactcttg ttgcccaggc aggaatgcaa tggcatgac taggctcact	60
gcaacctctg cctcctggat ccaagcagtt ctcctgcctc agcctcctga gtagctggga	120
tcacgggtgc ccataccat gtctggctac ttttttgtat ttttagtaga gacaggtttc	180
accaagttag ccaggctggg cttcaactcc tgacctcagg tgatctgccc acctcacctc	240
ccaaagtgct gggattacag gcatgagcca ccacaccgg cctttttctc tttttaatat	300
gaaagttcac tgcccttggc caaactgact ttgagacctt tttgggaggg atagtgcttt	360
ggaataaacc cagcagccag agttcattct tagttctgat aaagaatagc ccagagacat	420
aggaatcaca tacacaccta taattagagg catttatattt attttagtgt cattatatgt	480
gcatttgctt tatttttaat tngattacat ggangtactg gtggtctttt aacatgaagg	540
gaaancctgg ggcaancatt tgttcn	566

<210> 7054

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7054

```

gagatgggag tctcgctatg ttgcccatgc tggagtgcag tggcgtgac tcagctcact   60
gcaacctctg cctcccaggt taaagcgatt ctctgcctg agccccccag cctcctgagt  120
agctgggatt acaggcgcct gccaccacgt ctggctaatt tttgtatfff ttagtagaga  180
cggggtttta cgtgtttgtc aaggctggtc tcaaattcct gacctcaggt gatctatctg  240
cttcgcccc ccaaagtgtt gggattacag gtgtgagcca ccgcatccag ccaagaatgg  300
cctctttaat gtctgtgagc tccccaaggg cagagacacc ctctagtgcc tggcaccgcc  360
tccagggctg aggaggtgtt caccaagtct gtgatgcagg aatgaagccg tatcccaagt  420
agggggctgc gtctgcccag tttaccagtg cgttcttgtc acccagcacg ggctggccag  480
cgagtatcga cacanggttt gctgancgga ngaatgaacc ctgctttgtg gtggaaggga  540
acaagtggca aggaaaaccg gaccctt                                     568
    
```

<210> 7055

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7055

```

atfffftatt tttctgagac ggagtctctg ttgcccaggc tggagtgcag tggcacaatc   60
tcggctcact gcaacctccg cctccctggt tcaagcaatt ctctgcctc agcctcccga  120
gtagctgaga ctacaggtgc acgccacat gcccggttaa tttttgtatt tttatagaga  180
tagggtttca ccacgttggc cagactggtc tccaactcct gacctcgtga tccacctgcc  240
ttggcctctc aaagtgtgtg gattataggc gtgagacaac gcacctggcc tttagtttat  300
    
```

atattatttg gatactacaa atgttgaata tcttgtgttt actgggttatt tgtatgtttt 360
 ctttacgaat tgcttttcag gattttggcc tatttagtga tattatttaa atatttctta 420
 agtggatctg taagcactct acatattaag gctataacac agtatagcac tctgggatta 480

 tctaacctct acagttgaga tattagacat aaaggggctg ctgggganta gaaatttttt 540
 atgccaaata ttacttaatt tac 563

<210> 7056

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7056

aatagagaca gggtttcacc atattggcca ggctggctct gaactcctga ccgcagggtga 60
 tccgcctgcc tcggcctccc aaagtgcctg ctgggattat aggtgtaagc caccgtgccc 120
 agcctgctgc tgacctttaa atgggggttt tgtggggtct tttcattga tgttgttgtt 180
 gctcttgctt tctatttgtc tttcacagt caggctccctc ttctgtaggg ctgctgccat 240
 ttgctgggga tctactccag acgctatttc cctgggtcct tcccactcct ggaattatca 300
 ccagtggacg ctgccgaaca acaaagatgg cagcctgctc cttcctctgg gagctctgac 360
 ccagaggggc accaacctga tgccagctgg aacactcctg tatgaagtgt ctggcgaact 420
 ctattgggac atctcacttc agtcaggang aacnggatca nggtcttgct taaaanaacc 480
 agtcttggct tgccccttgg caaaacaagg tgtgctacan tangggggaa tccccctaat 540
 ccnggcttgc cctgn 555

<210> 7057

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7057

atatggagtc tcgctctgtc gccaggctg tagtgcaacg gcacaatctt ggcttactcc 60
 aatcttcacc tccgggttca agcaattctc ctgactccgc ctcccagtg ggattacagg 120
 caccaccac catgcctggc tatttttgta gttttagtag agactgggtt tcaccatatt 180
 catcaggctg gtctcaaact cctgacctca ggtgattcat ccgcctctgc cagaatttct 240
 ctttaaattc aacaagattc agttttacag tctggaaaaa aaatgtcctc tctatatgaa 300
 caatcaatct tcaccattga tatttttcat ctttgacttg aagttacaaa ctaacttcag 360
 caggaatatt tatgaattat tatggataat ctattacaca gtgaaaactg taatatatgt 420
 ttgctacatt tataatataa aacatcctca tgactaatga agcctnccta gtcttaactg 480
 aacaaantgg actcaataaa tatgcttatg gcaattataa aaaggggaan ggaccaaadc 540
 actaaagaaa acctttntnt tgnt 564

<210> 7058

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7058

cactgatgta tcccagacac ttataactgt gcctggcaca ttaaaggcat tctatagata 60
 tttgctgaat gaataaatga gaagctgttg ttttattcta taataaataa taattaacta 120
 agttgtaggt agggactatg ttttctacc cttaggacct aacagagcca aacaagagt 180
 cagagaagat gctcagattt tctgataatg atactaatgc ttcagtctta caccctcacc 240
 tcttctcagg cactcctgag ctttgtaag tcattctatt tgttttcatg ccagttgggt 300
 aaaggcttcc gtttctatct agaggtgaaa ctagagctac agagatgatc attagccaac 360
 catgaagaga attctagttt cctatgtgct attaactagt ctgcgtccaa gtataaagaa 420
 ggtgcttatg cttggcgtgg aataaaataa gttgccagtg ctgatccctt tctctcctcc 480
 tcttcttcat atcttggtct gggccttacc tggcagcttn cctcttttcg gttggattga 540
 acnggcctgg gcagctttga accg 564

<210> 7059

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7059

```

ggacagtaaa tggtttttat tattttatct cttttctcct tctctattag cttggtagct 60
ataaattctc tttctatcct tttagtatt actctagagt taatcaactc aagtcttatg 120
aaagaattat gtcctgcaga aaacattctg agtgactatt ttttttttca gttcttataa 180
ggcattctaa atgtaaagaa gttaattcat aatatataat agatgcctta gcacagatgt 240
cttagttctg gctgctacta acaaaaatac catagaccgg gtggctcaca caacaaacat 300
ttctcatagt tctagaggct gggttctata gaccctccaa gaccagggtt ccatcatggt 360
caagttctgg tgaagaccct cttcctggct tgcagatggc attcttcttg ctgggccccca 420
tatggcagag aagtagacag aaagaacang aactctgggg ctctaattcc attgngaggg 480
ttcaccttna cgaactaaat ccttccaaaa ggncccaact ctaacacat naccttggan 540
ggtagaattc acnntccaat ct 562

```

<210> 7060

<211> 415

<212> DNA

<213> Homo sapiens

<400> 7060

```

ganacgagtc tcgctntgnc accaggctga agngcagggg ngcaatctcg gctcaccgca 60
acctccgcct ccctgcaacc tgngcctccc aggttcaagc gattntcccg cctnancctc 120
ccaagtagct gggactacag gcacgcaaca ccatgcccgg ctaatttttg gatttttagc 180
ananacgggg tttcaccatg ttggccagga tggntcgat ctctgacct tggganctgc 240
ccgcctnggc ctcccaaagn gctgggatta caggngtgag ccaccacgcc cggcccacca 300
cgataatttt ttttttgtan anacnagggt ctacacatgt tgcccaaat gggctcgaac 360
tcctgagctn aagcaatttn ccggttggg ctnccaaagg gtggaactcc cggtt 415

```

<210> 7061

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7061

```
cctaataaag gcttatattt acttgatttg aattttgcta gcatgctttt tcttctgaat 60
tcaagtgact agaactgaaa ttattccacc tggggagaag agacagctga aagccaattt 120
agtattggtt ttcaaataca tgaagggtac tcagagagag gatgattgcc aaagaaaatg 180
gtctttgaac catagaaaga atctgagctt gctctaaagt taaatttcct gacttacaga 240
gtttatgaca ttaaactgag agaccaaggg atcctttttg gagacttcaa aaataggata 300
gatccttaaa tgcctgagat ggcttgatg tggctttgtc tgaagtcagg aggataaatc 360
ttaccactga tggctccctc aggcgtgtga atctatgggt ttgactggca tgtcagaagc 420
tagaatgccg gccaggaca tctagagagc atctctncat gctgggtagc agtctatcaa 480
tcgctctact ggctnacatc tntcaacttg gcttcaccac atagggancc caggcctgnt 540
ccggctgang ctgatt 556
```

<210> 7062

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7062

```
ctttttttga gacagtctca ctctgtcacc caggctagag tgcagtgggt caatctcggc 60
tcaactgccg ctccgcctcc caggttcacg ccattctcct gcctcagtct cccaagcagc 120
cgggaccaca ggcgcccgcc accatgcccg gccaatTTTT tgtattttta gtagagacgg 180
ggattcaccg tgctagccag gatggtctcg atctcctgac ctcgtgatcc gccgcctcg 240
gcctcccaaa gtgctgggat tacaggcgtg agccaccgcg cccagccgcc agaagatatt 300
```

tttaacatgc caagaagaca aaggttaaat atccagaata tttcaaagat gtcctatacg 360
 cactacaaaa cactgctgaa gagagcttgg tgcatttgaa gaacaacaaa gtgtttgttg 420
 tggttgtagc aaaaatgggg tgtgtgtgtg nggtgtgtgtg tgtgtgtgtg tgtgngtggg 480
 gatactcccg nntttcctgg ataaattcct ttgacttaaa anngcctttt ancaattttg 540

<210> 7063

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7063

gagatagggt ctgtctctgt cacctagggt ggagtgcagt ggtgcaatca tggctcacgg 60
 cagtctcaac ctcttgact caagcaatcc tccccctca gcctcccaa cagctaggac 120
 cacaggtgca caccaccaca cccacaatt tttttaaac tttttgtaga catagggtc 180
 tgtatgttgc ccaggctggc ctcaaactcc tgatctcaag cgatcctcct gccttggtt 240
 cccaaggtgc tgggattaca ggtgtacgca cctggcctta catatattac cttaatggaa 300
 gattttaaat aaggtagtat ttctctatag cagtggctctt acctgggggt tacttttgtc 360
 tccttttccc taaccaggag acacttgaca atgtctgcag acatttttgg ttgtgggaat 420
 gnggntttgg gtggtggggg actacttgca tgtaggggta aaangccagg gatgctctna 480
 acatcttaca atgcccangg acagcttcca caacaacaa tttccagccc caacaccaca 540
 ggctgaggtg gga 553

<210> 7064

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7064

gatacggagt attgctctgt tgcccaggct ggagtgcagt agcacagtct cggctcactg 60

caacctctgc ctcccgggtt caagagattc tcctgcctca gcctccagag tagctgggat 120
 tacaagcgtg caccaccata cctggctaatt ttttgtatatt tcagtagaga tggggtttcg 180
 ccatgttgac cagcctggtc ttgaactcct gaccttaagg gattcacccg ccttggcctc 240

 ccaaagtgtt aggattacat gcgtgagcca ccaccctcgg cctgcttctt agcacttcta 300
 acctctgccc cttggcatca cctggccaag cagatgaaaa gttccagtga gctgtcagcc 360
 ggcaccaggc tggggctctt cctaggcagc tccaagtggc taggatctgg ctctttttcc 420
 agagctgggt ccagaaacca agatcgggaa tgcctgatgg ctgctctgcg gcccttgcta 480
 tgaaggcact ttccttgggt caggngatcg gcccttggct ttaaggaaca tgtnggggtca 540
 nccnnggggtt gggncaacn 559

<210> 7065

<211> 523

<212> DNA

<213> Homo sapiens

<400> 7065

aaagatatgg ctatggataa tggtcgtaga tatcttacia tctaggatta ttttgaaaac 60
 ttttttctga gttattcatt gtaagactct cccaatcca aggggtgaagg atacttggac 120
 acaacacaat gccagttcaa gttcaaggga agtgttccat cctctttcag cctccactca 180
 gctccagaca cacgggtgcat ggtccagctc cctgggattt tccattcgg aaaggaagc 240
 cgtttgtcga gccagcctct gtgaccactc atgatctgaa ttaccacag gtgttcgaaa 300
 atacagaggg atccagcata attaagagca ttaagcaatc atctcagccc aaggaggcag 360
 ttgaagaaaa gaacagagtt tgggcaacac ttggggaaat aaattccaca gcctttcacc 420
 aagttgaaat cttggctttg gacacacata aaaatgacct ggnccaatct taactnttna 480
 gnggacatnt tggcatatca caagatttgn ccaantgggc tgc 523

<210> 7066

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7066

aatgagcagt ttaatggaaa ataattgctc caggtacagg tcttctaggc acattttgtc	60
tctgcagcta ttgttttaat tagtgggcct gcttggtcgc tgtccctttg ttgtggcccc	120
ctctggggca ggggtgcccc gggagggttc ctcttgtgga acgcaggcgt taatgagcca	180
tttcagtaat aagagtccctg ccttgagcca gaagtcagag cacccaagac accccaagca	240
gcagaaatgc tcatgaattt ctgaaactgc ctttctaatt tgcatttaaa cataacttcc	300
aaagaacaat ttcacctgtg attttctgag ctggaaaggt aagggaacttt agatgttgaa	360
tatgtacaaa ttatgttaat ataacggagg taaatgaaag tcaaatgcat tggcatgtaa	420
aatgtanacg tcttttctaa atggctatth tctacccang ctttggttaa ttttccccta	480
aagtggaaat gngataattt ttttttaaht naagggaatc tctataataa atnccaattg	540
gatggaactg ggtattncnc aat	563

<210> 7067

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7067

gagaggagtc tcgctctgtc gcccagtcctg gagtacggta gtgcgatccc ggctcactgc	60
aacctcggcc tcccagggttc aagggaattct cctgcctcag cctcatagtt cctccccgtc	120
tgcaaccacc ggtcttcacc ggattcacag tcggaaccgc gagcaaagac acctagtaga	180
gccggccgat tcctaggtcc tccggctagg aggcgctgcg ggccagtcct cggggggcca	240
ccgcagcccc cgcgcccagc acccccaccc tcacggcaga gcccagccca gccccgcggc	300
ggagctccga gttctgcgcc gtccgcccggg gttactcccc gtcattccac tgcaccaact	360
cggcccagct tccccatctg cggccaggca naactgcccc gagagaccag cagcaacgnn	420
tggaanatgg gcttgcaggg aacgttggga aaagggaagg attgggcacc cancttccgg	480
ntttccggaa gctttinctaa n	501

<210> 7068

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7068

```

gagacggagt cttgctttgt cgcccaggct ggagtgcagt agtgtgatct cggctcactg   60
caagctccac ctcccagggt cacaccattc tcctgcctca gcctcccag tagctgggac  120
tacaggcgcc cgccaccacg ccagctaat ttgttttttt tgtattttta ggagcgacag  180
ggtttcaccg tgtagccag gttggtctcg atctcctgac ctctgatcc gccgcctca  240
gcctcccaa gtgctgggat tacaggcgtg agccactgcg ccaagagcaa gcttctgatg  300
taggggctgc ggggggcttc ccaggccagg caggttgctg tctcagcgcc agcgtgtagc  360
ctcctcccag gatccggagc aggagggtgg ctgncttttg cgttcaatcc gctgggctgc  420
tgtggggttc ccgcaaaact gnttcaangg gncnagaaga aggaaggacc cttgccccaa  480
ggacagacgg cnantttgga tcaggaaagg ccaaccgngg ccaaaggctt ggactctggt  540
tgggggaacn ncca                                     554
    
```

<210> 7069

<211> 531

<212> DNA

<213> Homo sapiens

<400> 7069

```

aaatttagag acagggtctt gctctgtcac ccaggctgga gtgcagtggc gtgatcatag   60
ctcactgcag cctcgaattc ctgggctcaa gccatcctct agcctgggcc tcttgaaatg  120
ttaggatcac aggcgtgagc caaggcacag actctgggtt taaggcagaa gcacttggtta  180
catgaatcac atcacataaa gcaatctttt ggtcagggtg ccaggcgagg agaggcccaa  240
gaaacaggaa aaggagagca agtgagagtg aatcggcgaa gccatcacct aatgaaggag  300
    
```

ccagacaccc tgagtgtgga gccccagcca tgggtcctgc cccttgcgcc gctcagggca 360
aatcttcttg ctgcctgggc cacagcagtt actggggggc ttggcagggt gaantgtgtg 420
tcaccagacc tgcacaagct tcttcttaca gatacaacgc tgactcantg tgaaggccct 480
~~taaggetnta naaaaacccc aaccaaggga ggggcnnnaa cccccaanaa g 531~~

<210> 7070

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7070

gccaaaccac cctactagat tataacagtc tgcatacaaga aacatttcat ttaattctgg 60
aaaggcacag ccatggaaat agaagattaa aatgaaaaaa aaaaaaaaag aaaaaagaaa 120
aagagaaaac ccacacaaaa aaaatgaaac taagagattc tgaaagcagc atttcctaata 180
taagaaggcc caagaagggtg acagatgtac ccagggtcccc acaaccagcc agtggcagaa 240
ccaccagaag agctcatttt cctagtgcct gccaggtttt tttctacaat gctcacagca 300
ttgcaaggag gagttaacgc caattcttat tcaaaattaa attctattag atattaagga 360
tttctggtgg gaatacttca gaaatgaaaa agtattttca atttaaatta aattaaattt 420
ccaattaagt cacagagaac tgnacttnaa canggaatct cttttactnt anccctttac 480
caaaggaaat atttcacttt ttttctttct gggcatcaat taagaagttt aatgtaaaat 540
ggggcacttt tcattcttga tnaa 564

<210> 7071

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7071

gagactgagt ggagtctcgc tctgtcgccc aggctggagt gcagtgggtgc gatctcgatc 60

tcgactcact cactgcaagc tccgcctccc aggttcatgc cattcttctg cctcaacctc	120
ccgagtagct gggactacag gcgcccacca ccacacccgg ctaattttct gtatttttag	180
tagagacggg gtttcaccgt gttagccagg atggtctcga tctcctgacc tcgtgatccg	240
tccgcctcgg cctcccaaag tgctgggatt acaggcatga gccattgcac ccggcctaaa	300
tttgtacctt ttaaaaataa gtgctaattgt aataaatatc taaacaacct tgttgttaga	360
gcttattaca aagaacagac tgttttgaca atttcagatc atcattacca atattaagtt	420
acaggtactt ggngactcta agtaggacca gaacagaagc ctcaatgngc tggcccaant	480
tgacatntat gcctgancgn aaggctttgg ggcttgaaaa tcttcccatt agaaaatcan	540
ggnggtattt tattcattat tcccatggc	569

<210> 7072

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7072

gagatagtct tgctctgtca cccaggccgg agtgcaatgg cgcgatcccg gccactgca	60
acctctgtct cccgggttta agtgattctc ccgcctcagc ctctgtgca gccgggacca	120
caggcgcgcg ccaccacacc cagctaattt ctataccttt agaaatgggg ttccaccatg	180
ttggccagga gggctctgat ctcccgacct cgtgatccac ccctctcagc ctcccgaggt	240
gctgggatta caggcgtaag ccactgagcc cggctcaaaa tctatttctt aatctggttg	300
gggaacagta tgaatgctct ggttgagaat cctgggcccc ggccagcctt ggtcctctgg	360
ctttcaatgc ttgcagatga gaaaatctgc tgncaatggt ttttttttt tctcctttgg	420
caaagggtta atttattctg ggggaggccc ttgagaattt atctggggat ttcaagaatg	480
tccccaggan aatgccaaagg gggggctttt tntttaagna acccttgctt ggactttacc	540
aaactttact gggcaaacn	559

<210> 7073

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7073

```

aagtaaagac ggggtttcac tgtgtcggcc aggctggtct cgacctcctg atctcaaagt 60
atccgcccgc ctcggctttc tgaagtgctg ggattacagg agtgaaccgt tgtgcctggt 120
acaactgtta tcttctttaa gaaatgatgg gaggcctttt ttccaggtat catagtcaat 180
atcagcacc c agtttaatgt accaacaggg atttctggac caaaatgact ctttatgctt 240
tgtcacatct tgagtgagca tgatcataga ctccatggag cacatttaca actgggaaca 300
caaagtctgt tcacttttcc caggcctggg ccattacctg aagattagga cacccaatga 360
tacattctac ttttaattta cacttcagac ttctaggagt cttgcatctg ttttccagca 420
gccacaaaag acattctcta attacttctg aatgaaaaac agagactttt aatttcntgc 480
aaagacatgc atgcactaca tacactttaa gaccctgggg tggctcaatt tctggnaaaa 540
ctggactttt cctn 554

```

<210> 7074

<211> 530

<212> DNA

<213> Homo sapiens

<400> 7074

```

aattttcttt ctagagatag ggtctcattc tgttgcccag gctgaagtgt aatgacgcat 60
cacagctcac tgcagtctca aactcctggg ctcaagegat catcctgttt cagcttctctg 120
ggtagctgga accacaggta cgcaccacca cacctggcgg ggtttttgtt tttgtagaga 180
tggggtctca ctacgttgcc taggggtggtc tctgatcttt caagtgtca gtagctgcaa 240
tgaggcgatt gaacctggcc tcctatctgg tctccctgtc tccaatctct agtttttgat 300
aaattgacaa gtctgaggat gtgctgctgc cttgagaagg ggggtgctctc tctcaagaaa 360
gtcagatggc agagccagca taagttgtca aggcagaggg ccacaatcct ggtgaccttn 420
tcaagtgggg ggctgcctgn ctgnngttct gagnccccac tangggatcc ccattncctt 480

```

gggttgaccc gttttttgcc ttttttaaac cggggtcctt ggcntgncct

530

<210> 7075

<211> 254

<212> DNA

<213> Homo sapiens

<400> 7075

gcattttaca tttcttctgt ctttattgta ttgcttcaat tggcaaatca tgcttgtatt 60
cattcatggg gtacaatgtg gaatgaggaa atcccactac ttagcatctc cactacctca 120
gagagaccaa ttccacgtga ggtcccagaa gtgttgatct aaacaagttg accccataga 180
agtagcaagt agatcgatgg tgaccagggg tcagagagtg gcagagggag gggaatggga 240
gggggggnngn nnnn 254

<210> 7076

<211> 533

<212> DNA

<213> Homo sapiens

<400> 7076

ganacagggc ctcactntgt cacctaggct ggagttcagn ggtacgatct cagctcactg 60
caacctccac cttccaggct caagngatcc tcttgccna gcctccanag aagctgggac 120
tacaggtaca cgccaccata ccagctaatt tttttgnaat ttttgtanag gcgggggtttt 180
gccatgttgc ccaggctggt ctigaactgc tgagctcaag caatccaccc cccttggcct 240
cccaaagngt tgggattata ggcatgagcc atggcaccca gcctatttng catacttctt 300
tactgattca ttaagtcgca gtctaattag cattacagat tatgagtaat aactttatta 360
tctaggnetc tactngntag cacctcctct gntacattgg tacttnccta agggcattct 420
tctntgacca ccccatntaa gctggaactc cttgctggng gatcctaggc ctatacccta 480
aaatcagatt ttttacataa ncnggttttt aagggaaggg gntggaaacn ant 533

<210> 7077

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7077

```

aaactgagac agggctctcac tctgtcactc aggctgcagt acagtggcat gatctcagct   60
cactgcagcc tctgcctccc gggctcaagt gatcctccca cttcagcctg ccaagtagct  120
gggacttcgg ggcatgccac cacgcttggc taatTTTTTg tatttttggg ggagatggag  180
tttcaccatg ttgcccaggc tggctctgaa ctcccgagct caagtgatcc gccaccttg   240
gcctctcaag tgctgggatt ataggtgtga gctaccgcac ccagccaaga gtcaatctgt   300
gatccctaag attcttattg cctagtaaag atgaaagatg aaaaagagat aacaatgaaa   360
acatgagggc atggcagagt aaaataggaa gaaaagtcca gaatatgna ttacagaggc   420
agggattaga aatatttncc tgataagtgg gtttcaneng angnagtatt aacaagctaa   480
ngggcttttg aaaaatcttg gcatttttgg ctgtaccaag atttgcaggt tcaaanggan   540
ttttggggg                                     549
    
```

<210> 7078

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7078

```

cctgttgggg acgagggggag gggaaggaaa caggactgtt ccaaaccgat gaaacaccgt   60
gcaggcgggg agggccaagc ctttcttagg gagtttcagt ctggaagatg ctcagcctgg  120
gagatgccgg ccaggaagcc tgggaaattc ctcccctctg caggccccac cccgtgctaa  180
tcctggctcc acctcacctc cgcccagctt ctctggact cacatgactt ttctatattg  240
gtgcccaggg gcttaaggca gatgagtctt aagcgggcat cacagacaga ccggaacact  300
    
```


gtgcagtctg gaagaacttc tcagctctca gccacgggaa ggcgatcact cagcctaagg 360
 tgttcccaag aggcagaact gccctaaggg gccttgca gaagaatggc cccagaagtc 420
 ggtgaaggaa cgcacatggg tgatgcaa acatgatctg actcttgctg gcancaagct 480
~~gtgetgacat tttttacncc tgnittcttg aacttgaang gcctaaaagc cttgcccttn~~ 540
 ggccttcctt aaaaatcctn 560

<210> 7079

<211> 383

<212> DNA

<213> Homo sapiens

<400> 7079

caccagaaag gcttacttta tgatatgcta acagaacaga aaagcagggtt gggacaagat 60
 acagactttg ttgcatttag ctatgaccct tctctccct ctgtggatgt gggcagggtg 120
 gggagaggca ggaagaggca gtagaggga atgacatttg cactcaggct tcccgccct 180
 acccaccct acccttcgcc caaacagacg tcggatctat gctgcaccag gggtgggtca 240
 tggagtccag ctaattgcca ggagctgagg cgtgtacaag ccatgaaaag agctgcccc 300
 cggcctcccc acatnactgn ccttnatgca cttgcatctt taaggctgcc agcttannag 360
 ctccctgnac attncctggc caa 383

<210> 7080

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7080

ganacggagt ctcgctntgt cggccaggcc ggactgngga ctgcagtggc gcaatctcgg 60
 ctcaactgcaa gctccgnttc ccgggttcac gccattctcc cgcctnanc tcccagtag 120
 ctgggactac aggcgccgc caccgcgcc ggctaatttt ttgnatttt ttagtanana 180

cggggtttca ccttggttagc caggatggnc tcaatctcct gacctnacga tccacccgcc 240
 tnggcctccc aaagngctgg gattacaggc gtgagccacc gngcccggcc tatgnnttta 300
 atttaagttg gacttcactt ttctctggng tctcctaaat tagcttaata atcaatcttc 360
~~tgaettettt tectggcaat tcatagactt catcttgggt tgcattccatt gctgggtgagc 420~~
 tggnatatatt tggggggngg taaaaaaccc tggtttggca tattaccnga atgggttttc 480
 gggctctttct caattingga ngctnttcan agggaact 520

<210> 7081

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7081

gagtctccct ccattctcca ggctggagtg catggcatga tctcagctca ctgcaacctc 60
 tgcctcccag gttcaagtga ttcttctgcc tcagcctcct gggtagctgg gattacaggt 120
 gtgtgccacc atgcctgggt aatttttgta tttttataag agatgggatc cagctgatgg 180
 ggaagcggct cactcagggc agtgcactct actcagtggg aggagaaaac ccctcagagg 240
 gatagatgag aatcctgaag cctgaagtgg cagggactgg tagcaagggc aggagatgaa 300
 ggattttaag gtgaaagctg tgcctgttcc ctgcacatgg aatggctggc tgcagtgagg 360
 caggccacat gttggtcaga gatagtaggt tgccaaagca acaaccatga agaagtcatg 420
 gctcagtaga atagtggat cctttcttta cttcctatgg acaaccaaca cttcaacaag 480
 acagactggc taaaacattn canaagagac ttaaagaggt gcngacntaa aacanttggt 540
 ggcnaaagca agggcncctgg gacaagg 567

<210> 7082

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7082

aaggcagtat tgagtaggaa gtttacattg gagtctctcc ctcaagagtt aggtcttcat	60
aggtactgaa cacttacacc aatcacctcc attactcagc tcctaagcag agatggaagc	120
ctectagggtg gaatgttgaa ttgattttg aattctctct tcaacatttt cagcataaaa	180
ttcttttcca ctcttagata atatgccttt tctatcttct cttctctgta aaacacttgg	240
ctttgagatc ctgagaggtc ttacttagtt gtgggtcttt gattatctca ggttttctgg	300
gcactttggt aaatgaagat tctggtccaa caggctctggg gtggggccta aaattatgca	360
tttctgacaa gtccccaggg gaagtctatg gggctggcct aggggccaca ctcggaatag	420
gaaggtctaa agaaatcngc attgtaaaag gaaaaatnaa cattttgagg cttaatggca	480
gcagcattgn gggctgataa tacctggcag acaaantatc tcagcatcaa ttcttgggtcc	540
taggagttga agccccaag ttgnttnc	568

<210> 7083

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7083

gcctagctcc aagtaggccc tgaactgagg aaacaatttg gcctttacat tcccttggac	60
tctccgtgtc agaatggagt gcccttgct cccgtaaact cttcagccta ctaccccatc	120
aggcgtgtag ccagatatcc tcatgtagct aaatccatgg acatcattct gttacatctt	180
aagcatctct taggtccgct agaaacagtg gactgctgcc tccttctgt cttggtttct	240
ataggactgc attctcttga tttctattat tctgtctacc ccattctcagt ttcctttgct	300
ccttgtcgt tctgtactga tctctcaaca caggagattc ccaagggtc agaactagcc	360
cttctctctc ttccattctc tccctcgatg atatcgccat ttccatgggt ttaaatacca	420
tctgcatgtt gatttccaca tccataactc cagtctacat ggcttctctg nccaccatat	480
tcacatatct naccattgct tggacatcta aactcagcat ggtctaaact naacacttac	540
aatgntctaa accnggtctc tgnttttgna	570

<210> 7084

<211> 578

<212> DNA

<213> Homo sapiens

<400> 7084

gacagggtct tgctctgtca cccgagctga aatgcagcag tggtaacatg gttcactgca 60
gcctcaacct cctgggatca agtggctctc ccacctcagc ctcccagta gctgggacta 120
gagacatgca tcaccatgcc cagttagttt ttttaatttt ttagagaca gggctctcact 180
ttgtggccca gcctgggtct gaactcctgg gctcaagcca tccttctgcc ttggactccc 240
aaagtgttg gattacaggt gtgggccact gtgtccttcc ttaacataat aaaattgaga 300
taatcacatt cataaaagg caaaactatg tcaacaagcc cactgtatta gtctgtcttc 360
acagtgtgt aaagaactgc ccaagactgg gtaatttata aaggaaacag gttaactgac 420
tcacagttta acatggctgg gaaggcctca ggaaacttaa caatcatggc agaaggcaaa 480
aggggaaaca agggaccttc ttcataagc anatgaagga aaattaatgc nggagggact 540
tccaaccct taaaaccctn agaacttggg aactcgct 578

<210> 7085

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7085

actaatggct ggttttaatt ttttagagg aaatactata atttaaaaaa aagttccaaa 60
atatttaaca gaatttccag caatgattat ttccaaaatg taaagatttg aaacataatt 120
tatacaaac taaaaaccag aaggattcat tcttgctttt tccttttita aaaaatccag 180
acatttgtca caagaaagt cgcatgtga tagcagctgt agcctcagtc accctcagaa 240
tcgctgtccc tcctcatgag gacagagtgc cacactgatg acagcaatac atcttcaatc 300
ggcttcttag ggttttctc caggctcatc ataattgctc cagattcaga cagtttccat 360

tccaactcat ctcttgtcag gttcatgcc ccaaacacca gaggaccaat aaactgagcc	420
ttgatatctc cticcaggta aacaaatata ggggcagatt cctatcagga taattgggta	480
tgcaggttgn tgaaatggct ttgataaatt gacatcaggg aacnttctgg gnagnccctg	540
gnggtctgaa ttattanggc nca	563

<210> 7086

<211> 485

<212> DNA

<213> Homo sapiens

<400> 7086

cctgagatag agtctggctc tgtcgccaag gctggagtgc agtggtgtga tctcggtca	60
ctgcaatctc tgcctcctgg gttcaagcaa ttctcctgcc tcagcctccc aaggagctgg	120
gactacaggc atgcaccgcc ctgcctggct aatttttttg tatttttttt tagtagaaac	180
ggagtttcac cgtgttgccc aggctggtct ggaactcctg agctcaggca atccaccgc	240
cttggcctcc caaagtgcta agattacagt tgtgagccac tgcacctggc caaatactcg	300
gtattcttga aagcattcta ttagtacaag gcatttttac tttcttcac cctgctggct	360
actccctcag agacggagag tccctcaaag tcctcccact tctccctata ctccctgtc	420
ctagaagcac gaaacctacc tntccgggct gccctngccc tngngaacac tgactnntnt	480
gacaa	485

<210> 7087

<211> 396

<212> DNA

<213> Homo sapiens

<400> 7087

cttttctgag acggagtttt gctcttgtca cccaggctgg agtgtaatgg tgcgatctcg	60
gctcactgca acccccgccct cctgggttca agtgattctc ctgcctcagc ctcccgagta	120

gctggaataa caggcaccgc ccactatgcc cggctaattt tttgtatttt tggtagagac 180
 ggggtttcac catgttggc aggctggct tgaactcctg acctcgtgat ctgcctgcct 240
 tggcctccca aagtgtctggg attacaggctg tgagccactg cgcccagcca tgctgctatc 300
 tttttttttt tttttttttt tttttttttt ganacggagt ctgtcctgtg caccaggct 360
 ngantgcagn ggcccaatct tggctnacta caanct 396

<210> 7088

<211> 580

<212> DNA

<213> Homo sapiens

<400> 7088

ctttttctga gacagagtct tgctctgttg cccaggctgg agggcagtgg cgtgttcttg 60
 gctcactgca gcctccactt gctgggttca cagcattctc acacctcagc ttcccatata 120
 gctgggatta caggcatgtg ccactatgcc tggctgattt ttgtattttt ggtagagaca 180
 gggttttacc atgttggcca agctggctctc aaactcctgg cctcaattaa tctgcctgtc 240
 ttggcctccc aaagtgtctg gattataggt gtaagccact gtgcccagcc attgggctgt 300
 ttttaaata aggggcactc atgcanagtt tctgtgtcga gcaataatag caactgctaa 360
 tacttggaca ggccttttgc atcatcttat tanaagggt ccaactataa ttgncagggt 420
 agctaataat ctatacagta ttgcaagta caaattcaca atgatcaatg atctgnttct 480
 ctaaagacag gccaaaaact aattaatggt tncntatata ctaaaggcaa tgggaaangg 540
 cttaagtaaa ggggtgaangg gaaaaggccc gacaaaacna 580

<210> 7089

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7089

gagacggagt ctcactctgt tgcccaggct ggaatgcagt ggcacaatct tggctcactg 60
 caacctctgc ctcccaggta aaagcgattc tcctgcctca gcctcccagag tagctgggac 120
 tacagggtgcc cgccaccaca cctggctaata ttttgtatct ttagtagaga cgggggtttca 180

 ccgtattggc caggctggc tcaaattcct gaccttgtgt tctgcccacc ttggcctntc 240
 aaagtgcctgg gattacagggt gtgagccacc gtgcccggcc tttttttttt tttcttttga 300
 gatggagttt cgctcctgtt gccccgctg gagtacaatg gcacgatttt ggctcactgc 360
 aacctntacc tcccagagtc aagcgattct tctgcctcag ccaccaagt agctgggatt 420
 acaggcatgc accaccacgc ccgntaatc tggattttta ggtanaaaca ggggttcacc 480
 atgttggtca agctgggctt cgaacttctg gactnaactg aaccgctggc ttaaacttcc 540
 ataagggtng gattccagggt gtgaacctn 569

<210> 7090

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7090

aatggtacaa gaaggaaatt tttttttcac agaacaaaaa tgacaatttt gactcaggta 60
 cccacatagg agcagggtgaa gttctcaaag gacaactttt tttgttgttg ttttttttgt 120
 aagcaaatga aaaccaagac atatttttct gctcttttat ttatattgat gaaacctcaa 180
 agtctgtact caaataactta ttaaaatata tccatacata tatgatttct tgtcaaaatg 240
 catcattctt cttcaaatac aaaaacaaaa atattttcac tttcctaaaa ccatacttt 300
 ttcttagatc acacttttat ctttcttctg agtatagccc tggaaaagca gtttgaatgc 360
 aaagcccctt gacaaaatat ctgcttttta aaaatgttaa ttaatacac aagaaaaaaa 420
 aaagcctctg ggagaagagg ataaagaagt taggatttct aactcctagg ctaaaaaaca 480
 gcatacaga aagccattca atttcctttc aatgctggat naagncttca ttttaatcnt 540
 cattatnaat gngngacctt aatncctaac tgnnttt 577

<210> 7091

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7091

```

gagatggagt ctcgctctgt cgcccaggct ggagtgcagt ggcgccatct cagctcactg   60
caagctccgc ctcccagggt cacaccattc tctgcctca gcctccaag tagctgggac   120
tacgggtgcc caccaccatg ccagctaata ttttttgta ttttagtag agacgggggt   180
tcaactctgtc agccaggatg atctcgatct cctgacctca tgatccgccc gctcggcctc   240
ccaaagtgtc gggattacag gcgtgagcca ccatgccag ctcccagggt cttctaactt   300
atatgaccag cccaacactg tcttaggaac aaaccagtga cctaattagc taacatgaac   360
caaactgata atacttgccc agctaaatga agtgatgggt ggatatgtaa taatcataca   420
tctatcaaga ctaagtttgg taacttaaca aatctcagca atcccttact ccctttataa   480
cagaagtgcg cagaatcaac ntttctaaga gagtntctaa gggaaatggt naaggggaca   540
actggattta agcttttcct ggcagaaaag cttaa                               575

```

<210> 7092

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7092

```

gagatggagt ctcactttgt caccaggct ggagtgcagt ggcacgatct cggctgactg   60
caagctcagc ctctgggtt tacgccattc tctgcctca gcctcctgag tagctgggac   120
tacagggtgcc cgccactgcg cctggctaata tttttgtat ttttagtag agacgggggt   180
tcaactgtgt ctcgatctcc tgaccicatt atccaccgc cttggcctcc caaagtgtc   240
gggttacagg catgggccac cagccccagc tggctctgaa cttgagctca agtgatccac   300
ctgccttaata ctccaaagt gctgggatta ccagcatgag ccactgtgcc caaccagttt   360
ggcactgttt tcctaagaat tttttaacca atgttcataa gcaatatgtg tcaagtttgt   420

```


ttcttgnant gnccttgctg accctagcat caaaggcaat gcttggctca tagaacgaag 480
 ttagaaagga atttcctcct ctttnaagtt tttgaaagaa gttgcaaagg atggcantaa 540
 attttcggtt aaaggctggn a 561

<210> 7093

<211> 563

<212> DNA

<213> Homo sapiens

● <400> 7093

ctttgagacg gagtctcact ctgtcaccca ggctggagtg cagtggatg atctcggtc 60
 actacaagct ccacctcctg ggcccacacc attttcctgc ctcagcctcc cgagtagccg 120
 ggaccacagg tgcccgccac caggcccggc taatTTTTTT ttgtatTTTT agtggagacg 180
 gggcttcacc gtattagcca ggatgggtctc catctcctga cctcgtgatc cgcgcgcctg 240
 agcctcccaa agtgctggga tcacaggcgt gagccaccac gtgtggccat acctatgagt 300
 tttcttaaaa ccaaattgtc aaaaatgtgg ggcctaccag gtgttagcct ccatcccata 360
 acatcgtggc tcaggtcacc ctcagaagga gacacaggga gtcctaagtg tattctggga 420
 gtgacctctg tggcagacca agggacacag ctatggccgg gacaccaaca gcttctgcta 480
 taatctccca atttttttta ttttaagtga attattttta ttttaagncc attntaaaac 540
 tntaanggga acattttaga ngg 563

<210> 7094

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7094

gtctgtctta ttttagagaa ccaatcttta agttctggga ttcgttccaa tatgttgggt 60
 tagagcgtac tccttttagct cagtgaagtt tgctactacc caccttctga agcctacttc 120

tgtcaattca tccatctcaa cctccacca ggactgtgcc cttgctgtag aggtgttgtg 180
atcatttga gtaaacaagt cactctggcc ttttgagtig ttaggggttt ttcattcctt 240
tctcatcttc atgagtttgt ctcattttga tctttgaggc tgctgacctt tagatgaggt 300
~~tttcgtgggg actttttggt tgatgttgtt gtgctttct gttttcttt cgacagtcag 360~~
gtacctcttc tgtagggctg ctgtggtttg ctggggattc acttcaagcc ctatttatct 420
gggtccctcc cacacctgaa gatgtcacca ganggtgctg gagaacagca aagatgggac 480
cccactcctt ccttgggata tctgnccttg angggcacc accatgatgcc agtagaaatg 540
ctcctgnata agggggctg 559

<210> 7095

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7095

gagatggagt ctcgctgtca tccaggctgg agtgcagtgg cgtgatctca gctcactgta 60
gcctccacct catgggctca ggtgatcctt ccacctcagc ctccaagta gctgggacta 120
caggcgtgtg cctccatgcc cagatgattt ttgttatatt ttgtagagac aggatcttgt 180
catgttgccc aggttggctc cgaatcctgg gctcaagtga tccacccgcc ttggcctccc 240
aaagtgtggg attacaggtg tgagccactg cacctggcct gctctttatt tttaatgaga 300
gagacttgag tatttgggac aggggagcaa tgaaggaaac tgcaaccag gagggacccg 360
cccaaatgaa gtgaggcttc agtgtggcag gatgtagggc tttgggtgtg tgggtgggtgc 420
angctggtag tctttcccta tggagaaaca cttctaccct aaccctttgg gtcgcaactg 480
actggccttg gnaaggcctg gatgaaccan cactgntgnc tttccaacna tgnngctngt 540
gaacttcaac 550

<210> 7096

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7096

gagagggagt ctcattgtctc attctgtccc ccaggctgga gtgcagtgc gcaatcttgg	60
ctcactgcaa cctccgcctc ctgggttcac accattctcc tgcctcagcc tcctgagtag	120
ttgggaccac aggtgcctgc tgccatgcct ggctaatttt ttgtattttt agtagagacg	180
gggtttcacc atgttagcca ggatgggtctc tatctgtctga cctcgtgatc tgcccacctc	240
ggcctcccca agtgccaccg tgcctggcct ctagaaaagg ttctttaaac aatagcaagt	300
gagcgaagtg aaagtcagga gacgtgttcc agtcccatct ttgctgtctca cttgtttgtga	360
gactttggtc tctaacttct ctaggccttg gtttcctcag ctaggaaata agacagtttg	420
gttgattcan aggttttaag cccatgcttt ggtagataaa tagagtattt tgagtaactt	480
taaaagtgag cagccctctc taagtttgac tcttctacct naccatatca aacttaccac	540
ttatccatga cccttgattt	560

<210> 7097

<211> 500

<212> DNA

<213> Homo sapiens

<400> 7097

gtagagatgg ggtttcccta tgttgcccag gctggcttag aactcctgag ctcagaggat	60
cctcccacct cagcctccca aagggtggg attataggca tgaccactg aactccgcc	120
tccgccactt tttctttctt gaaactgggt cttgtttctgt tgcccaagct ggagtgcagt	180
gttataatca cagctcactg cagcctcaac ctctgggct caagctgtcc ttccacttca	240
gcctcccaag tagctgggcc tacaggcatg tagccaccaa acctggctaa tttttttatt	300
ttttattttg tagagataag gtctcactat gttgcctaag ctgatcttga actcctgggc	360
tcaagaaatc ctctgcctt ggccttgaaa atgttggggt tacagggtgtg agccactgtg	420
cctagcctca cctacttttt ctaaagatt taagataatc attttaccaa aaaaaaann	480
nnnnnaaaaa aactaccac	500

<210> 7098

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7098

cgagacagag tctcactctg tcacctaggc tggagtgcag tggcacgac tcggctcatt 60
gcaacctccg cctcctgggt tcaagcaatt ctttcacctc agcctcccga gcagctggga 120
ttacaggcgc acggcaccac gccgagctaa ttttgtatit ttagtagaga tggggtttca 180
ccatgttggc caggctggtc tcaaaactgc tgacctgtg atctgccac ctcagcctcc 240
caaagtgtg ggattacagg tatgagccac cgctcccagc cagatcctc taatgaataa 300
atttttagaa gcttaaacca agtcaggctg gtttctgtt taagttttgg agcctcgta 360
catagcaaat ggtaattgaa ataatcaacc caagcctagc agctcatgcc tgtagtctca 420
gcacttcagg aggctgangc aggagaatcg ctttaaccta ngangccaag gctatagtga 480
gccatgactg gaccactggt acttccaagc cttgggcacc anaancagaa cctggctcaa 540
aaaagaaaga gaaaaaacc 559

<210> 7099

<211> 432

<212> DNA

<213> Homo sapiens

<400> 7099

agaatgaagt ttttttttta attatttttc ttggaagtag ggaggatttg aaagcttgaa 60
aatcaagaat caaaagacag tgaatctaga aggcatctgg gagcagaaca gagattgaag 120
acgggtgggc acaggagaaa gcgccaccat cgatcccgn tgctgccctg gaaatgtgat 180
tttcttaata gctgagttca tggttgcttg aggtcaggcc tggctattca tttccagcga 240
tgtctgacca gagaggactc atcattgacg acctcagggt cacgggggcg acgctgacac 300

cggaacggca gcagcagcag gacgattaag acaaggagga tggctccaca gacgctcatg 360
agcgcatagg acacaatcca caaaatggnc tcgctcaaan actgancggg gacncngttg 420
ntggctacan cc 432

<210> 7100

<211> 554

<212> DNA

<213> Homo sapiens

● <400> 7100

gtgacggagt ctcactctgt cgcccaggct ggagtgcagt ggtgccatct tgtctcaact 60
gcaacctccg cttccccagt tcaagtgatt ctctgcctc agcctcctaa atagctggga 120
ttacaggcat cgccaccatg cccagttaat ttttgtatit ttagtagaga tggagtttca 180
ccatgttggc caggctggtc tcgaactcct gacctcaagt gaccacactg cctcagcctc 240
ccaaagtgtt gggattacag tcgtgagcca ccgcacctgg ctctttcatt ttttatgggtg 300
aggaaaaagc agtgaaatag aagtcaatgg cctcaaagtt gagtatcagc accagtattt 360
accaaatatg caaccttaga caagtcactt agcctcagtt ttctctcttc taaaagggga 420
ctagtaacag caacaatatt ctgaggatca tataaggnaa taaatatgaa aagtgttcta 480
cgaactttta actggcgntc aaaacaaagc tatgtcattt catcatccca taatgatctc 540
aacagacttt ntac 554

<210> 7101

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7101

ccaagtaata gaacaggtat ttttgtcccc tgctaagtgg agcaaagct ggatctctcc 60
atttgtgtca gtgtgcagac tccattccc cactgctttc ccaagctcct cggaaccact 120

gtcatgcttg ctgcttatca gcgcctcca aaccagaat gtccactcag tgcatttggg 180
 caagtcccaa agactccagg agaaaaagca tcttatcacc accataagag cgcagtgagc 240
 atttgacggc tcaccagcct atagcaggat tttttttgtt tttgttggtg ttgctgttgt 300
~~tgttttgttt ttgagatgta gtttcgctct tttttgccc~~ ~~ggctagagtg caatgggtgca~~ 360
 atctccgctc actgcaacct ccgcctcctg ggtttaagca attctcctgc cttaaccttc 420
 cgagtagctg ggattacagg cacacgccac cgnattcagc taatttggat tttaggagag 480
 acagaagttt cancatgttg gncagctggt ctggactcct ggacctangn gatccacca 540
 tttgggcttc caaagg 556

<210> 7102

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7102

ctcttccaaa gcttatttta ataggaagtc tttatgcatg gcatatgtca agattaatgg 60
 tacatggaac acattttgta tcctatccat gagtcacacg ggaaatcacc ttccaggcct 120
 ttctctgtga ggtctccctg tccactgtgc cctgatcaac cctccacccc ttcactgtct 180
 ttacttcctt catttccctt aagcagacaa aagtcaggt ctctggtcca cagcttcaga 240
 catgacaagg aagaggccca gtatcaaggt gaagctgagg aaggccaagg gaaagccagg 300
 ccaagaggca cccgttggtg atggtcacag gagagaggtg atcagtggag ccagggactg 360
 ggccatcctg ctatagatca cactgctgag ttttggttgt atttgtttta gaagcagcca 420
 tcattcaccg agggggagag aggaaaggga agagagggga agagaagaat ggggagggat 480
 atttaccgt gtgaacaaag gccagcccaa ggcttaaagc cgcaccctg anaggcttca 540
 cctgttgggg aaaac 555

<210> 7103

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7103

gagacggagt tttgctcttg ttaccaggc tggagtgcag ccttgttacc caggctggag	60
tactcggctc accgcaacct ccgcctccca ggttcaagcg attctcctgc ctcagcctcc	120
ctagtagctg ggattacagg catgtgccac cacaccagc taattttgta ttttagtag	180
agacgggggtt tctccatgtt ggtcaggctg gtctcaaact cctgacctca tgtgatccac	240
ccgcctcggc ttcccaaagt gctgggattg caggcgtgag ccaccgcgcc cggcctgttt	300
aatttcctaa tgtttactga gactcttcaa gagtgggaga gggatataat atacagcatt	360
tcctcagttt atttagccac tgaatttatt ttttgtaagc atctcaagga acttgagccc	420
aaattttgca aaactgcatg taatatacaa tgttgctttg gttgcctttt ccagcttctg	480
nnagagaata tttaaattat tttatcttac ttataaacat ttttaaattg ngatattgng	540
aacctgnatt ggcccangnc atta	564

<210> 7104

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7104

gagacagagt ctttgctctg tcgcccaggc tggagtgcag tggatgcgac tcggctcact	60
gcaagctcca cctcccagggt tcacgccatt ctctgcctc agcctcccga gtagctggga	120
ctacaggcac cggccaccac acccagctaa ttttttgat ttttagtag agacagggtt	180
tcaccgtgtt agccaggatg gtctcgatct cctgacctg tgatctgctg cctcggcctc	240
acaaagtgct gggattacag gcgtgagcca ccgtgcccgg ccataaatct ggttttgtac	300
cagtcttcaa aaccttccag ctacactggc cacactatat tttcaaatta atctttcact	360
gtctagctc tatggccatc ttcttctct ggaccattta atcatgaac cagaaaatcc	420
taccagaga aggcagaaaa nagaggacaa gaagtctnca ttcttttggg tccatcacct	480
gatgggcccc tctgaatttc tgggggaaca aggatctgag cgggtccttg gaaagcaata	540

cccantggga nccaaaacnt

560

<210> 7105

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7105

actactgatt gattctttcg ttacattttc ttctaggggg tttgctatgt tttccagggt 60
 tggggattcc tgggactgat ggctgtccat ggggtcattc tctttggtct ccctttgctg 120
 gtggtcctca tggggggcca gtggagcggg ttctgaggct ggtgtggtac ccacaccacc 180
 cctgctgaga tacagcacct ggtcgtggc actggggagg ctctctcctg gcaccgagga 240
 actggagctg ctctgagagc catcggcctc ctctccctg gagtccagggt ctggcatata 300
 gccctctggc tcttcgagat ccatttcttc attttttaga tcctccgggt cttctacata 360
 agcctccaaa actgcagcca ggggaacctc atagtgtggg aaatagaaga ggtcgtgggg 420
 aatgacggaa acctttgaaa aggggtggga gggcttgaaa tccaggcctt cttcctggga 480
 ctaccaaggg cttccaactg acacaactgc ttgggggctg gaaaaanaaa tccttgncca 540
 aaccttgag ggnaatggg 559

<210> 7106

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7106

gttttttgtt tttttttttt gagacagagt ctgctcagt caccaggt ggagtgcagt 60
 ggtgcgatct cagctcactg caggctctgc ctcccagggt cacaccattc tctgcctca 120
 gcctccccag tagctgggac tacagggtgcc caccaccag cccggctaatt tttttgtat 180
 ttttagtaga gacgggggtt caccgtgtta gccaggatgg tctcgatctc ctgacctcat 240

gatcctcccg cctcagcctc ccaaagtgt gggattacag gctcgagcca ccgcgcctgg 300
 cctagcagac atttttaaac acccaatatg ggtattgttg tgggggataa aaagacgtac 360
 aaaatatagt cctcagcttt aagaagtcta tagttttgtc aagaggattt gggaattctg 420
~~aaaacagttc tgtggcttct agaaagacat ttttccata aactnctctg ggctcttgng 480~~
 ccancgnac tcattctcat agagnaagt agttncgccga acttaacttt taaaaaagga 540
 accgatttgg anggttctt ggg 563

<210> 7107

<211> 534

<212> DNA

<213> Homo sapiens

<400> 7107

ccaaangta aatctntgng tattcatgcc taatcttcca aggttgngta aataattttt 60
 ttctaccatc ccccatcatt ngcatacatt tttgtcaagn ccaaataa tttgaagnga 120
 ggtaggtagt ttctctntac ttngccgtt gnccttgggg tgatgtcggg gcctgtgccc 180
 tgaacgcact tgtctcctgt gcaggggcag ngccagggtt ggcatcagng gctggnggag 240
 ctctnagtn ggctattttc tcaatctcgt ccaaatacatn tgggnccaat ctttctatct 300
 tcttattaaa angctcctgg attctgttca ggatgttcat gctgtgcttg ctgtccacca 360
 tgttcaactgc caggcccntt ttgcaaagc ggccgtgcgc ccgaccggtg caggtaggtc 420
 tcattgncag gattcccggc cttnccacgg gaagaacaaa gttgatgacc accngacctt 480
 ggtcaaacat taatgccgng ggcaccccn ttggggggan caaaacctt tttt 534

<210> 7108

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7108

ggtggtagag agacggggtc tcaccgttgt ctaggctgga gtgtagtggc ttaattacag 60
 ctcactgcag cctcaacctc ctgggctcaa gtgattctcc cacctcagcc tcccaagtag 120
 ctgggactac aggtgcatgc caccacacct ggctagtttt tgtatttttt tggagagaca 180

 aagttttgcc acattgcccc ggctgggtctt aaactcctgg actcaagtga tccacccacc 240
 tcggcctccc aaagtactgg gaatacaggc atgagccacc atacctggcc tagaactact 300
 tttcacaaca gtatcatgga aaggaatagc tctctcactc tctcaatata tgtattatgt 360
 atataaaaca atgaacatgc ctatcagatt gaacaaaaca cagatctgaa ggtgctatgt 420
 ctacattttg aaggttatcc aaaagtataa attaaaaaaa aggagaatgg caagtgggtt 480
 aacgcattgg tcataaatac tgggacagaa acnncnccagt cancangtta attgcctggg 540
 anttaancn cccttt 556

<210> 7109

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7109

atgtgttgaa atggttttaac acacaacaat agataactgc tatatttgct gagaagggtc 60
 tgagcaacct ctataactgt agcaggaaca ggcttaagag accattttta ctaacccctc 120
 cctttatgat ggaggcagct cctccccaag gtcccactta cagagtgaga cctttgtcta 180
 cttctgtttg gcatgtgctg gccatgtgca aaccacaaat tatattggcc aatggcaaac 240
 agaattggga aaccaaccat ttccaataaa ataagggttc atttcaaacc agataacccc 300
 attttgggga ttaccaattg ctttggagtt tctaaatcac ttctcccatc tgcatacatg 360
 ggcaacaggg ctaacttacc acctnccagt gaaaaataaa aagataacca aaccctggac 420
 ctctgttgcc ctcctntcc cgtgcctggg ttctcatcc ttgcatttct tggctggngc 480
 tacccttggg aagccagnca ccagtcnatg gctctattgg ctggnattg ctttggntat 540
 attggnacct tgaaag 556

<210> 7110

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7110

```

gagatagtct ccctttgttg cccaggctgg agtgcagtgg cacgatctca gctcactgca 60
acctctgcct cctaggttta agcgattcta ttcttgtgtc tcagacacct gactacctgg 120
cactgcaggt atatagcacc atgcccaact aatttttcta ttttagtag agactgggtt 180
caccatgttg gccaggctga tattgaacct ctgagctcac gtgatctgtc tgccttggcc 240
tcccaaagtg ctgggattac aggtgtgagc caccgcacct ggccaaatgg taggtttttt 300
aaaagctcat attaaaatat ttctttccat gtcaccacat gggcttgaca gcaataattt 360
aaaattgggt tataatattc tattagattg atacattatt tacctcgcta tttattagat 420
atttttattt gctttaaact gttttcaca agtatcaaca attatgaatg ncttcattta 480
tatatacctt ttaactttct ggcctatttc cttnaaatc ataccngaa acacccccca 540
nttaaaaaaa ggggt 555

```

<210> 7111

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7111

```

cttcttctgt ttgtgtctgt agtgatcttt gtctctcttc tctcttcttt cttatcttt 60
ttcttttctc ttacctgcc agagtggatg ggttcaatta aactgttcat gtcattgactc 120
tggaagtcct gataagctta ttggactata agaggggatc ttcattagca gtgctgagaa 180
atcccaactc ctgataccaa atgctgttga gcttttgtct tccaatttca ctttttttct 240
tgttttcgat attcctgctg ctgctggagc tcctcttcca tcagctattg ctttggaga 300
aggatttga agcatctgtg taccctcttt ttctgccctg ggacattcat tacggtaaga 360
ggaatctgag gctaccggtg ctgtaacttc tgaaccacga ctttaagtcaa gagggagaca 420

```

gggtcccagc ttctcaagtg gcaaagtgc aacatcaggc ataagtttta ttatcactg 480
aagaagaaag ctgagatnca agcggcaaaa ncttgacttg gattaaatct ngggaaaatg 540
gggaattaag ggggnttn 558

<210> 7112

<211> 549

<212> DNA

<213> Homo sapiens

● <400> 7112

ctaattctgt gaggaatgcc aatggtatgg taatggcaat agcattgaat ctataaattg 60
ctttgggcaa tgtggccatt ttcattgat tgcattctcc tgcattgag catggaatgt 120
ttttccgttt gtttgtgtcc tctcttattt ccttgagcag tggtttgtaa ttctccttga 180
ggaggtcctt tgtgtccctt gttagctgta ttcctgggta tttattctc tgtttggcag 240
ttgtgaatgg gagttcattc atgatttggc tctttgcttg tctgttggtg gtgtatagga 300
atgcttgtga tttctgcaca ttgattttgt atcctgagac ttgctgaag ttgcttatca 360
gcttaagaag cttttgggct gagtcgatgg gttttctaga tacaggatca tgcattctgc 420
aaacagggat aagtttgact tcctctcttt tatttgaatc cttttattct ttctcttgcc 480
tgaatgncct ggccanactt ncaacactat gtgaataaaa tggtgaaaaa nggcaacctt 540
gcttgggnc 549

<210> 7113

<211> 539

<212> DNA

<213> Homo sapiens

<400> 7113

ggtgttcaac tactctgcag aatgtctcta cttttgtttc tgatctgaga tgcagtgtc 60
tttttttgtt gctactaatg ttatgcacat aaggtttgta acttcttagc ccaagccaaa 120

gttctatggc agctttgggtg gacagtcttc atatggtttg aggtctttct acctcaagtt 180
 cctgagtttc tctgcctgaa tctcttctct ggccagagaa gcatgttcag cctgagtatg 240
 ggatgggctg gagtgccagg gaggtaatc tccaagtaaa accctcaagc aacaaagggc 300
 agtaattggg agacagacat cccagtttcc ttgatcctgc atgggacaat tctaagggtg 360
 gtttcatggg ctctgagagg gtcccagcag gactgagtgc agttgcccac aggagtaact 420
 ttttcaataa tatecttctt tattgacttt tctcatcctt atgncttacc tggccctaaa 480
 tttccangnc aattncaaa tgaaatactt gnanccang ccctttttta agtcgggat 539

<210> 7114

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7114

gCggaggaaa cgaggttgag ggtgtgagt gctctggaga tgcaccccag tctcaaaaata 60
 aaattaaaaa gaaaaatttc tgttcaatct ttgaaaaaaa aaaaggaaaa ggacatgtaa 120
 tacaccgttc aataaataga aaaaaagtta caaatgatg tggatatttg tccttaatat 180
 acaagaaggg aaaagatgtg ggggtgactt gggggggtga tgttctccct tctcctccct 240
 ggggtcaaggt ggggggaaagg aaggatggcc aaagagagag ggCggcaggg acttaggtgc 300
 agagagaaag gcaggttaagt gccgggaaaa atggaaacag agtaagatga aggggcgaag 360
 cagaaagaca ggaggcgaaa gggtgaaaaa gccagaaaaa caccaagata caggtctctt 420
 tcctttccag atcgggggtg ggggtctccg gctctctcgc gtctgtgtcc cccaaccca 480
 gttggaaggg cantgtgaac ctngctcant tcctgagtgg acgtcaanga ctagcaggtg 540
 anaaaaaggc caccgaggac ttc 563

<210> 7115

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7115

gagacagagt ttcgctcttg ttgccaggc tggagtacaa tggcgcaata tcagctcacc	60
gcaacctctg cctcctgggt tcaagcaatt ctctgcctc agcctcctga ctagctggga	120
ttacaggcat gcaccaccac acctggccaa ttttgtatit ttagtagaga tggggttitct	180
ccatgttggc caggttggtc tcaaactccc aacctcaggc aatccacca cctcggcctc	240
ccaaaatgct aggattacag gtgtgagggt ttattitctga gggctctgtt ctgttccatt	300
ggtctattac atatggctag ccagttttcc cagcaccatt tattaatat ggaatccttt	360
tccaagtta ttgnttttgc caggtttgnc aaagatcaga tggttgtagg tgtgtgggtg	420
tattitctgag ggctctggtc tgggtccattg gnctattaca tatggctagn cagtttttnc	480
aanaccattt attaataggg aatccttttc ccaagtatgg ttttgcaagg ttgncaaaga	540
tcaaatggtt gaaggggnng g	561

<210> 7116

<211> 470

<212> DNA

<213> Homo sapiens

<400> 7116

gtaaagaaga atgaaaacac tttttttttt tttttttgcg atggagtcca ctctgttgcc	60
caggctggag tgcagtgtca cagtcctggc tcactccaac ccctgcctcc cagtttcaag	120
cgattctctt gcctcagcct cccaagtagc tgggactaca ggtacacacc accatgcccc	180
gctaattttt ttgtatgaga acactttttt gnactatttt ggaaagaacc actagatgta	240
ctattaaaag aaaaatgcat atacacctac tatgtaccca caacacttaa aatttaaaat	300
taanaaaaag aaaaatgcaa agtnccaaac agtatgnata atatgctatc tgntaattaa	360
aatgctaaaa gangaagaaa cagtnggaca gcaagaatca cacattctag caaaacccca	420
tntctacaaa aaatacnaaa atanctgggc ataanggcac acacctnttg	470

<210> 7117

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7117

```
gtttttttaa agagataggg tctcactctg ttgccagga tgatctcaa ctcctggcct 60
caagtgatcc tcccatcttg gcctcccaca gtgctgggat tacaggcatg agccactgca 120
cctggcctgc ctctaccttc ccagccctga cagtttcacg gtggcctgca ccctactcaa 180
ggctctgtgt gacagcagga cccaggcaag ctggggggagc tgcactcacc tgtggccagg 240
ccctgcgtcg ggaccccggc cctaactggg ggcacaggct gctgagggaa tgtgtggcct 300
ggactacaca gagcagaggg aggtcccaa acgggcgtgc agggcagccc tcggtgcggt 360
ggagggaccg aagtggatgg ggatgggagg aggcagctac cttggcccta gaggtcagat 420
atcaaacgaa tggcctcaga atgccccggt caagtcctgg cccccaact tctttcacgg 480
aagcttcttc ccaagggcct anctggcaat ataattctgg gaaaagggtta catntttagt 540
gacggttggt tatctggggc aatccgtent tgn 573
```

<210> 7118

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7118

```
agacaaggtc tcattcttgt tgcccaggct ggagtgacaga gtcacgatca cggctcactg 60
cagcctcgac ctccctgggc tcaggatgat ctcccacctc agtctcctga gtagctagga 120
ctacagatgt gcaccaccac gctaattttt gtactttttt gtagagatgg cattttgcca 180
tgttgcccag gctggctctc aactcctggg ctcaagcaat cctccttctt tggcctccca 240
aaatattggg attataggtg tgagtcaccg tgcctggccc tctaaaagtc cttttccttt 300
tttttttttt tttttttggn ggattcttgc tctgtcacc aggcgggagt gcagtggcac 360
aatcttggt gacttcaacc tctgccttct gggttcaagc aattctcctg cctcagcctc 420
```

ccgagtaact ggggttatag gcatgagcca ccttgccctg gcatctntca gcttcaaaaa 480
gagatttaac aattaatcct cgactcttat cactaggaaa caaacaaggg catctnttct 540
ntttggctaa aggaaaa 557

<210> 7119

<211> 462

<212> DNA

<213> Homo sapiens

<400> 7119

gagacggagt ctcgctctat cgcccaggct ggagtgcagt ggtgtgatct cggctgactg 60
caaactctgc ctcccagggt cacaccattc tcctgcctca gcctcccag tagctgggac 120
tacagggtgcc cgccaccacg cccggctaatt tttttttttt tttgnattt tagtanagac 180
ggggtttcac tgngttagcc aggatggctt tgatctccta acctcngat ccacctgcct 240
cggcctccca aagtactgga attacagggtg tgagccactg cgtccggcct gtattttttt 300
atttctattt ttttttgaga aagagtcttg ctttgttgcc caggctggag tgcagtggcg 360
agatctcggn tcaactgcaat ctcaagcttc tgggttcaaa cgattctctg ntnagcctcc 420
tgagaagtan ctnggatcac angggtcca caccatgccc an 462

<210> 7120

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7120

gagacagaat ctcgcactgt tgcccaggct ggaatgcagt agcgtgatct tggctcacca 60
cagcctctgc ctactgggtt cgagcgattc tcctgcctca ttgggcactg aatttgtgga 120
tattcattat attattagta taagtaaaat aaaaataagc aaaacagggt catgcttgga 180
tcaatgagga tactatgtta tgagccaagg aaaaactgag gagccagaga cctcaagaag 240

ccaaacatac aatgtataaa caacaaaaca gagtaagaag ctattttaaa atacagtaaa 300
 acaaaagagg attggtttct caaatgtaaa accacacgct ttctgagggc cttgacctaa 360
 ggacactagt agttacagaa agctttccat ttctaccct agagtttcaa tgaatcataa 420
 aaaataaatg gtgggctata ttttatttct tgcagcactc aaagaaaaaa ngcccaagta 480
 gaaaggttct ctatgggggt tcnatctna aancctttta atctggaaat aattacngnt 540
 ccnttcttaa ggggtta 557

<210> 7121

<211> 452

<212> DNA

<213> Homo sapiens

<400> 7121

cctgagaaca atctgttctt atcccactca ttttttaa at gattgttggc cttttgctta 60
 agagaaattt taaaacagct ttttatttct tgtcttatta atgtttgttc attactaaag 120
 aaattttaaa atacaaagaa ggggctggga gcggtggctc acgtctgtaa tcccagcact 180
 ttgggaggcc gaggtgggag gatcacgagg tcaggagatc aagaccatcc tggctaacat 240
 ggtgaaaacc catctctact aaaaaaatat atatataata aattagccgg gcgtggtgat 300
 gggatgcctgt agtcccagct actcaggagg ctgaggcagg agaatggtgt gaaccggaa 360
 ggtggagctt gcagttagct gagatcaggc cactgcattc cagcctgggc gacagagtga 420
 gactccgctc aaaaaaacnn nnnnnaaaaa aa 452

<210> 7122

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7122

cttttgagac agagtttcgc tcttgttgcc caggctggag tgcaatggcg cgatctcagc 60

tcacaaaaac ctccacctca cggcttcaag cgattctcct gcctcagcct cccaagtagc 120
 tgggattaca agcatgcgct accatgtcca gctaattttg tatttttagt agggatgatg 180
 tttctccatg ttggtcaggc tggctcctaaa tttccgacct caggtgatcc acccgccctca 240
~~gcctcccaaa gtgctgggat tacaggcggt agctaccgca ctgagccatg aaattttttt 300~~
 atccacttct taaccaccta tatccagtgt tataatggctt tatatgattt tatattcaaa 360
 tcctaagtct atactgcttt atattataat tccaattcat ttgctgagaa ttctctttcc 420
 ccatacccca catgaacatt ttattttccc atatgcactg ncatacatta caaagtccat 480
 tggcaaatac ccaaattgaa cagcagaatt tggggaaggc tgggatnaag naaaatgcnt 540
 tatctggttn aaagaagttt tnt 563

<210> 7123

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7123

gatgtagtct tgctctgtca cccaggctgg agtgcagtgg ctactgcaa cctcccgcgt 60
 agctgggatt acaggcgccc gccaccacgc ctggctgatt tgtgtatttt tagtagagac 120
 agggtttcac catgttggcc aggctggtct cgaactcctg accttgtaat ccacccacct 180
 gagcctccca aagtgctggg attacaggca tgagccaccg caccggccc cattagtaac 240
 ctctttctgt ttcaggatcc aatccagggt agcacattgc atttagctgt gatcagatca 300
 tgaatctgta atgcttataat aggttccta aatgtgtggt tttcagctc agactactcc 360
 cctaatecta gacgcctgtc ctctgcctag cccttatcac caaaaagggg cccagggggc 420
 actgnggatt atggtcagna aacacctcta gaggggtgggc catgaacgcc cctttgatca 480
 ctaagtccta tgctcactgn tcaatgccac cagaattttc ttgnggggta aggnaaaggt 540
 ttagaaaccc gacngaggta nncggttgtc nctt 574

<210> 7124

<211> 408

<212> DNA

<213> Homo sapiens

<400> 7124

```

cttttttttt tttgagacag agactcactg ttgcccaggc tggagtgcag tgggtgcaatc   60
tcagctgact gcaaactccg tctcccgggt tcacgccatt ctctgcctc agcctcccga  120
gtagctggga ctacaggcgc ccgccaccac gcccggttaa atttttttna ttttttttta  180
gtagagacag ggtttcaccg ngtagccag aatggtctcg atctcctgac ctcatgatcc  240
gccgcctca gcctcccaaa gtgctgggat tacaggcgtg agccacgcac ccggcctttt  300
tttttttttt tttttttttt tttttganac anagtcttgc tctgttgccc aggctgaaat  360
gcagnggcnc aatntctgnt cactgnaaca tccacctccc gggttcaa                    408

```

<210> 7125

<211> 505

<212> DNA

<213> Homo sapiens

<400> 7125

```

gcttggaac acaaagtatt taataggatt tgctgactgc cataacatag aaactcaaaa   60
tacagtttca tggttctttt gccttgaagt aagcaaattc attcatttgt tcattcattc  120
attcatttat tcaacacaca tttactgagc acctaccaca ttccaggatc tgtgcaagggt  180
tctggggata ggaagatgaa tagaaggaca cagctcctgc cctccaggag ctcaaatct  240
gatggaggag gtgacgttct tgggtggtgt tccaagaaag aacagatcag aggagaggag  300
acaggaaaga gaaaaagttt cactttggac atgatgagtt tgctgggcct gcagaacatc  360
cgagaggatg agtggggctg gagctcaaat gcaagatcgg ggaatacaga tttgagaatc  420
atcagcccta angnggncat taaatgaang gtctgnctga gtcattgnaa aactgtgtgc  480
agaatgacnt gagaatgaat caagg                                         505

```

<210> 7126

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7126

```

gagacagggt cttgttctgt agcccaggct ggagtgtagt ggcactctca cggctcactg   60
cagcatcaac ctcccgagct caagccatcc tctgcctcc tgaatagctg ggactacaga  120
tatgtgccac tgtgcccagc taattattac tgttattatg ttagtagag acaaggctctc  180
actatgttgc ccagggtggt ctggaagtcc tgagctcaaa tgatcctccc accgcagcct  240
cccaaagtgc tgggattaca ggcatgagcc attacacgtg gccaaccatc ctttattatg  300
ctcttatatg ttattattaa ctcacagtta ctgtgatcaa gaagagctaa aatttacaat  360
gggcttcctg tgggccaggc cctattcaga gtggcccaga gagaggcagt acctgcctgg  420
ggccgcatgg cgaataagca gaacagggat gggaaaacaa gtgggtggcg gaatcctgga  480
ttccatgcct taccagntn ttaaaacagc ttatgtcctg ggcctttact ggngccaggc  540
gcccggccaa ccttttn                                     557
    
```

<210> 7127

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7127

```

aaacaagttt tattttgaga acattttaaa atacagaaaa agtacacagg gtcataccat   60
acctcagctgc tcagaattga caattgttca ttaccatttc ttttttttaa gttgaaacag  120
ggctctcatta tgttgcccag gccggtcctg aactcctggg ctcaagcaat ctgcctgtct  180
cggcctccaa aagtgtctggg agtacaggct tgagccaccg cacctggcct attttatcat  240
tcttttccaa cctttttcta ccttggttc tccacaggct ccagggaggt ctagcttggc  300
tggtcaaaac ggaggtgaca ttgacagaaa gtgagtgatt aaagggtggg tgtcagagtc  360
ggacagatct gggttttttt tggagacaga gtcttactct gtcgctcagc tggaatgcag  420
    
```

tgggcacgat ctaggctcac tgcaaccacc acctnctggg ttcaagtgat tctcctgcct 480
nagccccctg agtagctggg atttncggtg tgnngccacc acgccaagtt aattttggga 540
ttttggnnaa aaacgggggtt ttgccctt 568

<210> 7128

<211> 566

<212> DNA

<213> Homo sapiens

● <400> 7128

cgttcgtaca atgtttattg aatgtcaa atgtgccagg cactgtgcaa aatcacataa 60
aaatgaggtg ggaggagtgc agtggacagg gagcgccagc aggtcaggca ggagtacaga 120
caggcaaaga cacagacttc gaagccagag accagcgccg gagctgatgc ctgcttgcct 180
gcctgctgag ggcgagaatg cacctgctgt gggggcctga cctcaccgcg gacacccacc 240
gcggggagcac cagccctccc ccggtcccca gggatatggaa gccagggggc tttgtagccc 300
cacattgccc ggagttggat acaaacatcc caagagctag gggcgccttt actggctgga 360
aggtgaccgt tccatttccc caacatgaac tcagaaagct tcagccaggc gcaggaacat 420
cccagggaaa agctggctga gggcttcctt aatgcagggg tgtttctnct ggccccctgtc 480
caagcagnca ccaanactgg caccaaatgg ttaaggaaaa taggcaaaga aagcntttgn 540
cctttanttt cttccttncc aggcat 566

<210> 7129

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7129

attgagaaac tgtttttctt acagaagtgg cagtgtagaa taaataacgc gagggacaga 60
gagtgtgagg taccaagagg cttaaagaagc tgggaggttt gcctttaaaa ggagacaaaa 120

atcccaggga agctgcaagc ggaagggagt ggggtggccc ggaggcggag gactcaactt 180
 acagaggtga agtctgcaaa gcccaggga gaggccttag aaggtttagc tgcagaggag 240
 gggacaaatg ggtcttttcc actaaacggg tccccaaacc cttttttact ttggaacggg 300

 tcgccgctgt cagccccgag tggctggagt ggatcggggg cctcgggaaa gtctgcggaa 360
 ccaagctggc ttacaggtgt acttttacct tggacatctg gctgaagtcg gcaaagcctt 420
 cagcactatt gaaggaccca cttccgaagg gatctaaggt tccaaaggga tctgacctt 480
 ttgaggagac cctggaggat gaaaaaggga tcaactggatt caaagggtcg agcttcnaag 540
 gtaaggaagg gtttttcggaa tggatcccag 570

<210> 7130

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7130

acaaagaatc aactttattg aacattcagg gtcagtttct cttcttgctc ttgcctgtga 60
 ccttggctgg tgtgaggact ggagctgctg cctggtacag ggnggaggan atcttggtga 120
 tgtagtacag accaaccatg ganaanatga agcaggnggt gacacanact cggnggatga 180
 ggccagatgc aaagagagcc aacaggaggc acagganaac tagggaggca agaagaacaa 240
 ggagggaac ggtcanaatg gaaatactag gcatctgcac atggagtcca gganaaatcc 300
 ggggctctct gaatcctggg gaacctgctt anaagggtaa gcgtgactac agcaggagga 360
 ttctgattac cttaatgata ccagaacat ggaggttaga ggttgagtgt ggtggcttgc 420
 acctggaatc ccagcacttc ggnagggtcg aggtgggcag atcactttga gccaggagt 480
 ttganaccag cctgaacaac aaaggagac ccatctntta aaaaaaaaaa aaaattgant 540
 ttaaaaaaat ttt 553

<210> 7131

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7131

cttttctttt ttttgagaga gtcttgctgt cgcccaggct gaagagcagc agtggtgcga	60
tctcagctca ctgcaacctc caccaccggt gttcaagcca tcctgcctca gcctcccaaa	120
tagctgggat tacaggcaca cgccaccagg ccagctaata atatatatat atatacacac	180
acacacatat atatatagga gacagagtct cactgtcacc caggctggag tgcaatgggtg	240
agatctcggc tcaactgcaac ctctgcctcc cgggttcaag cgattcttct gcctcagcct	300
ccaagtagc tggaactaca ggtgcacgtc accataccag ctaatttttg tagttttagt	360
agagatgggg tttcaccata ctggccaggc tggctttgga actcctgacc tcgtgatcca	420
cccgcctcgg cctcccaaag tgctgggatt acaggcgtga gccaccggcc cagccaattt	480
ttggatttta gtagagacag gttccgcatg ttggccaggc tagtctcaaa cttctggact	540
tangnggatc caccaccttg ggcttcna	569

<210> 7132

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7132

aactcactta aaaatatctt ctaattttcc cttgtgagct cttctttaac ctatgggtta	60
ttcagaaatc tcttacttaa tttctgatgg acatacatgg agtgaaagag agaagtcaat	120
ggggactcca aagtttttga gtggagcaac tggaaggatg gcagtgcctt tcagtgagtg	180
ggaaggatg caagcagagc agattttaat ctctggaaat gtttgtgaag gctcgatatt	240
agttctatgt ttgacagaat tcatcagtga agacaaaata acctcctgag gttatttttg	300
ggcaagaaca ggggtgcagt tctggatctg ttcagtggaa atgcccatta aaaagccatc	360
aagatgtgga acaggcaact ggatatggaa atattgagtc tggggagcag tctaggttgg	420
tgtcttcagt gccgtatgtg gtatttaatg tcacaggact gaatgagatg accaaaggaa	480
tgaatagaag aagagaaagt tatcatgaga agaagcanaa naaggggtca taangagact	540

ggttcatggt aactttttaa ggaaattaan a

571

<210> 7133

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7133

gagaaagagt ctactctgt caccaggct ggagtgcagt ggtatgatct tggttcaactg 60
 caacctccac ctcccgagtt caagtgattc tcctgcctca gcctccagag taggtgggac 120
 tacaggagtg caccacacct ggctatTTTT tttttttttt ttttgtattt ttagtagaga 180
 tagggtttct ccatgttggt caggctggc tcgaactcct ttcctcaagt gattcacctg 240
 cctcagcctc ccaaagtgt gggattacag gcatgagcca ccgcaccag cctgctttca 300
 ttgtattcta ttggtcaaaa caaatctcag ggccagctca gatataagga gaaggaagga 360
 gactccacct cttgatagga aaaacagcaa agaatgtgtg gctgtcttca atcacagcta 420
 ttttaattcc acagtaacag ccttgcaactg gtctccctac tttaatcctt aatgccttat 480
 agtcaattcc ccacacagaa gccagangag ctttttaagg acactttaat gngaagaatt 540
 ttagaaggaa acnncccccc cccc 564

<210> 7134

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7134

aaagacattt ttatacattt tttagtagag atgcagtact gccatgttgc ccaggctggt 60
 cttgaactcc tgggctctag caatcctcct gcttcagcct cccaaagggt atagagatta 120
 caagcatgag ccaccatact tgcccatgga ttattttcct ttaaactctg aagtcacgag 180
 aatgtgaagc cctgagaacc ggaactgtga agaaaatgta ttgtcactca tgtgaaccag 240

aagtgaaggg gtgtatgaag ctttgtgatg gacacaaagt gttgttgccc ctctgatgg 300
 gactgcaaag ctgggatgca agttgaagcc ccatctggac tccatgccct tcctgggtga 360
 aagcactgga gcagacatgg agccagggca tgcttcctta tgaatttcag taactcgtac 420
~~tttcactcct tcaagaaaac atgtgaggtg tttttgnttg ntgntgggt tatgntttaa 480~~
 ggntttttgg tggtaatggt ggtgggtggt ncttttcttt 520

<210> 7135

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7135

ctaaagtgga gttctgactt gtgttgacgc catcacgcag agcctcctgt tcctgcctgg 60
 agccagctgt ctgtcattta ggagtgtgaa atcaattggg cttcagagat gtaaaatccc 120
 taggggcaaa attaaaagtg acccagatcc aagccacgt ggtcctgtca ggaacacgac 180
 tctcacatgg caagtttcaa agatttagtt tcaaaattcg ggtttcttat tttaaaaaat 240
 atgcagttgt ttgacattag atctgacaga caaattatag cttcagcaat aaaggctttt 300
 aagattagaa atgaaaagag aaattactta tatattaaaa aaagaaaaaa cccacccagg 360
 cttgagtttg gaggcatttg taggcgcgtg cgtcactctt tcttcctgc aaatataagg 420
 ggctccatca gctgatgagg ccgtaaatag agaagcgagt tacatggaat ttcgaggaaa 480
 gaaccagtgt gctggcaacc tttggaaatc anggtgatgg anccggtcag ttggttgcac 540
 tggcttaaac tggggggggtc cccttgg 567

<210> 7136

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7136

ctccattctg aaaatagcag gacatttacc tcttaaataa acttagcatt tagaggtaat 60
tctaaattta acaagtgaca gggttggttt caaagaaaaa ggtccatgct ttgcttacia 120
tggagtctgc agtgagggga gatgctggga tagccatttc catggctctg ttatgcaagc 180
~~acaaatttca tctcctagat ggacttcctg gttttctctt actgcagtaa cactggcctt~~ 240
cccttctcta attccttacc ccagctgcgg catccctgtg ttaactcagg atgccaagtg 300
gccctcagat tacacttctc cagatagctg aatgagtctg ctttcactgt gactgggacc 360
tgaatgacct gcagtcaggg cccagagttg ggactctata ctaccctggg ctctggtctg 420
taggtttgta gtagccaccg gtaataagcc aagggtctagg ctcttggttg agtttatggc 480
cccctggaat tttcaggcat ctcgatgca gcggaagggc anacngatgg attcnacagg 540
ttggttttta aatttccacc 560

<210> 7137

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7137

ctttttggag tataagatcc attcttattt aagtcattct tttttaatt tcaatagttt 60
ttgtggcaga aatggttttt ggttacatga atgagttcct tagtccattc agtcttaaag 120
aatgtctgt gtttcctttt taaatcaatc tgagcccttt tgatagtatt tattttccat 180
gtcatatttt ttattctat ttgcatttt tttaacttgg tgatttatgt gagtaccatc 240
agactgtttt aaataagttt cacagcttgg aaattgccag accacacaga gtataaattg 300
aaactgaaaa tctatgaggg agggcctgtg gttaagaatt cttagaaacg ttttcctcag 360
gcaagaacag gtcaagacgt atttgtcacc tctctactga gaccacagtc ctttgagtgt 420
ctcacgttac tatggtatct ctaacttaaa tggacceaaag accctgctcc tgctcccaca 480
aggcagttga accccaatcc tttggattac caagaatctg caggagcccc nanggccact 540
tgcncagnca attcctttcc ntttccagt 569

<210> 7138

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7138

```

ctaaccacac tttcagtttg tttctacagt acttacagtg agttgctggt gtattttctt 60
tctgtttctt tctctctata tatattctta ccttccttcc tgcattgatga atttgacctt 120
ctagattttt ttttttttga acaatccagc ctggttgtga caaatggaga aagagagaga 180
agatcttaat tgtgatataa ttgaccttcc acctttgttc actccactt atttatttgt 240
ctttaatatt gttatgggta gttctttgtt actgttaaatt attccctgtt ggatttttct 300
cttttgagac agatcttccc acgagggttg tatttagcca ccagcttggg aagtctaggg 360
tcgagaggat ggctctcctc agcagcagta ccattcaggt ccagcagagg gatcggtatg 420
tgattcactg tgccttgggc gtcttcagg tctctacagg gtggccttct gatgatctcg 480
gcctcctgat tccttagact atttcgacat ccttcctttg gttttccaac cttactttta 540
agttggttcc ncagg 555
    
```

<210> 7139

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7139

```

aatttatagt caggctcctg ttctgtgtgg cccaggctgg agtgcaatgc aatcatagct 60
caatgcagtc ttggactctg gggctcaagc aatcctcctg ctccggcctc ccaagtagct 120
aggactactg acaagtatta ccactcctgg ctaattttta atattttttt tgtaaagacg 180
gggtctggct ttgttgccct ggctggctgc gaattcccgg actcaagcaa cctttctgcc 240
tcggcctccc aaaatgctag gattataggc ataagccact gtgcctgtcc aaaactttat 300
ttttaatgac aaaacctatt ttccctatagc tctgcttggg atgctgtatt taccctaagc 360
accagttttg gccctagctg gcctgtatac agcttttaggt aggctcttga tctagttttg 420
    
```

ctataggcag ggtagatctc agtatttcat attttccttg tggcagagac agtggttaacc 480
 tttctctcat ggatagcgga ttcattgaga cagatttaac taagaactnt gatgattata 540
 cccgaacttc aaatggatc 559

<210> 7140

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7140

atcaaaagaa catccccac ttcctgacc agatacatcc agaggggagg caagtggaga 60
 ctggctgtct gtagggagtg gagaaatggc aggtccagct tgggctggtg tcctcttcct 120
 cagaaagtgc tgtgggtgaa cccagagtct cagggagcag aagccccct cgctggcttt 180
 cttcacgcgg ggtcctcggc aagctgctct gcaactgcga gaacgtgcgc cttgtcctca 240
 gaagacgagg aagagcaggg cctcatgccg gggcagtagc atgttctcca cagtgcgtc 300
 catggcgcgc acctgctccg gggaggctgt caggaacgcc aggggcccga tgcgctgctc 360
 cgcacaggag tggcagaggt agccccctt gttttccttc ctgttgctat aggtgatggg 420
 cagcttcttc atggtaagga cgggtgcaac agggatggca ttgttgact gtcccacgca 480
 gcagcgcacc acgcctgttt ttaaaacgtt gcttgcaact tttgcttgca agaagtactt 540
 cccagnccaa ggcaaaatgt tttc 564

<210> 7141

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7141

caggaggaat ggacaatcca agtttataca gtgggctgga aaaagaaaac actgaaaagt 60
 ctaaaagcac aaaataaaca aagctgggag ggaagacagt aagagttatt tgtttcta 120

tcattctgaa acccaaggct tgtatttacc agtcctttct gctaaagtca tccagctact 180
 gaagaggaga gcctggaagt aaagtctgga ggaaaggtag ttgactgata aactgtccta 240
 caggtgacag tcaaggagag aagaggtaga ggtttggtgg ttaatgaata agttcctgac 300
~~tagceagete ctcttcttct cttgacttag atcaaccaat gtagatgcga tgaaaatcat 360~~
 tggcaccaaa agcagcatta cacttgggac atttgcgctg gcgggtgtca tagcgtgtct 420
 tcacacactc aaagcagaag acatgaaaca cttagtaaga acagcctcct ttttacgcat 480
 gttacagcac ggacaggta accgtgcctt ggaatcctta atctnttcat cagaatctta 540
 tacacttggg acattggcnt gggtnt 567

<210> 7142

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7142

ctttgagatg gagtctcgct ctgtcaccca ggcttgagtg cagtggcgca atctcagttc 60
 actgcaagct cgcctcctg gattcatgcc attctcctgc ctcagcttcc caagtagctg 120
 ggactatagg caccaccac cagccccggc taatTTTTTg tatttttagt agagatgggg 180
 tttcaccatg ttagccagga tggcttgat ctctgactt catgatccgc ccacctcggc 240
 ctcccaaagt gctgggatta caggcgtgag ccaccgtgcc cggctgagac tattgggttt 300
 tctagatata caatcatgtc atctgcaaac agagaagact tcctctcttc ctgtatgggt 360
 gccctttatt tctctctctt gcatgactgc tctggtaagg acttccagta ctatgttgaa 420
 ttgaagtggg aagacaggac atccttgnct catgccggtt ttcaagggtg atggttccag 480
 cttttggcca ttcaagttca atggttgctg ngggtttggc ataaaaggnt ctaataattt 540
 gagggatggg ccctcaaan 559

<210> 7143

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7143

ggatttcctt cctgtttatt tccttgggtga ctggtgcata caagcaaaca tggcaaaacc	60
ctntcagaac ccaaaagaac agcacacgga tgaaccaa at gtgaggaaag cagctgtgat	120
at tttgggtg gagagaaaca caagggcaat ttggcacaac gctgctagat actgnggggtt	180
tacaatcaac cttttcattc ccaagctgta caaaaactc tctgtttctt gttacacgcc	240
tgcctgctcc atgctgaagg agacttcggg gtgctttag ctgagcagaa tgtctgtaat	300
acacgtagat ggatagcaag aggagttaa atgctggctg ccatcactca ggtctgggtg	360
ctcatgacct cccaggttg cccacattc ctcat tttcc ccatcctgaa actgctggct	420
gcccattgagc gaagactgac tgagaactgn atccgacatc cgggcaanct taagtgttt	480
tccagccncg agactcattc tggcaagttt tccactgtac ataacattgn cnnttgttt	540
gg	542

<210> 7144

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7144

gtagtgctg aattcaacct atgttttct aaagagattt ttcttatttg aacctggaa	60
cagtattttc cattgcacag cttttccgga tggtagcaaa cagtataac ccctataaaa	120
cagggcaaca ccggttaacc cttcgtggg ctgctgcaag ggtgacacag catcagcctg	180
agacctcctt tgaaaagctt ggaataagaa agcacccaaa cagcacaaga accacctgct	240
ttcttccaac tctgcaagca cagctcattt actcacctga ctgaagtaac agtgtaaaag	300
acaagcggtc aggtagaag ctgactggac cagtttgaaa aatctcaca aattattact	360
gttcaatgca gcaaaagcct gaacagcaaa tttcacctca gatgagtttc taacagcagg	420
atggaactgt tgtacttctc tgttaattaa aggagagaaa aggggttgga atgttatttt	480
aaataagaca aaattttcat gaagatagat ctgataaata atagatttca ctggnccan	540

ccanngntt acacctgtaa tnccaaa

567

<210> 7145

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7145

aagtgtacag atagattgat actaaaaggt agcctcttgt tctcttttgc cactgtaatt 60
gtttccaaat aacatacaaa tathtagaaa agattgtttc tcagatcccc aaattcattg 120
caattctcaa gctgtgttga gaggattgac ttcaaagaga agaaaagtaa taattaaaaa 180
aatgcgacta tgatttttta aaaataaaaa agtctttttg gatctatgac agaattatgc 240
cataaaaata atagctagca tttagaaaac actttctatg tgtcaggcag tgtgctaaaa 300
gccttgtgta gattttttca tttagacctc aaattaatgt gtcattatca attagtctcg 360
atttattggt gagaaaatgg aaacttgga aaattaggga actagcaagg tcacctaaca 420
cataaccaac ttaaggacaa ggagtctaaa aaacagagtt gggtttttaa atncaaaggg 480
cacagcctnt taagcataat ncccatatat tgnttggggg anaaaaccgg atagttgggg 540
ntaagagcct atttcctatc cagctg 566

<210> 7146

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7146

gggctgttcc tttgggtttt attacatggt ggggtcggac acagctgaga agcaaggacc 60
catcccggga agtcaaacac aggaggggccc ctggctcagc cgccataccc actctccccg 120
ggcagttcct gagtcctcca ccgcccctgc ccagcccctt ctgctgcctc tccccgcccc 180
ccaggccagg cgctgggcca gcaatgcaaa tggctggggg tgggatcacc aaagagaagg 240

ccaagccaac tacccctact ctgccaggcc agctccccac aacctgcac cccaatacct 300
 gaatctccat ttgcaaacac agtgttatgc ccaggggtcg ggctgggtcc ttcccatccc 360
 agggcagctg aagggtgggcg gccctatata ctgcctgagg gccttcaggg actttgctcc 420
~~tetgtgcacc ctnacaacaa ccctgtgagg taagtgggtt gggaagagt accccctgga 480~~
 ctaangctca aggaggcaat gtgaccgggc caggaaggac cattcacat gcacaaggga 540
 acccggaataa gggacccaag tgcccgaaaa aacacct 577

<210> 7147

<211> 460

<212> DNA

<213> Homo sapiens

<400> 7147

gagacagagt ctcactctgt cgcccaggct ggagtgcagt ggcgcaaact cggctcactg 60
 caagctccac ctcccggtt cacaccattc tctgcctca gcctccanag tagctgngac 120
 tacaggagcc cgccatcacg ccagctaata ttttttgat ttttagtag agacagggt 180
 ttaccngtt agccaggatg ggctcgacct cctgacctca tganccgct gcctcancct 240
 cccaaagagt tgagattaca ggngtgaggc gggaggacca cccgaggtca gaagttcaag 300
 aacagcctgg ccaacatgat gagaccccat ntctatataa aaaatgcaa aaaattagcc 360
 tggcatggtg gcacacacct ggaatcccag ccacttgggt ggntganaca ggagaatcac 420
 ttgaaccng gagggagaan ctgcangagc caanatacn 460

<210> 7148

<211> 581

<212> DNA

<213> Homo sapiens

<400> 7148

gagacagtct tactctgtca cccccaggct ggagtgcagt ggcatgatct tggctcactg 60

caacctccac ctccatagggt caagtgattc ttctctgcct cagtttccca agtagctggg 120
 actacaggca cgcaccacca cgcctggcta tttttttatt tttattttta gtagagacag 180
 ggtttcacca tgttggccgg gctggctctg aactcctgac ctcaagtgat ctgcccacct 240

 cagcetecca aagtgctggg attacaggcg tgagccactg cgccccgccc actgtctttt 300
 tttttttttt aaaggacctc aggtgattct gatgcacagc tcaggttgaa agcactgaac 360
 taaaggaagg agccttttga tatgcattca ggaagcagcc aacctaatagc aatcaagaag 420
 agatagtacc taactgtcag ccttgtggct aagtgaggaa gagataattt ggcaaaccat 480
 ggaaacccca cacaacacac agagctttta tctagagcaa ggagacngac aacttcccaa 540
 actacagtca gnttccaana gccttacacc ntttatgggc t 581

<210> 7149

<211> 585

<212> DNA

<213> Homo sapiens

<400> 7149

gagatggagt cttgttctgt caccaggct gcagtgaat ggcacgatcc cggctcacta 60
 caacctctgc ctccatgggt caagtcattc tcccgcctca gcctcccgag tagctgggac 120
 cacaggcgtg caccaccacg cttggctaatt ttttgtattt tagtagagac agggttttgc 180
 catgttgacc aggctgggtc tgaactccta tgacaagtga tccaccaac tcagcctccc 240
 aaagtgctgg gattacaggc gcgagccacc atgcctggcc cacaattgca agctttctaa 300
 aggaactgct gctcaaagag gggttcagg gcctatctcc ctgtcaccag gttttggctg 360
 gaacaaacag taagttcgcc tggcagcatt gagttttctc aagcaggaac ctacagaggc 420
 tggagtcac atccctctgc aggggctaata gaagttggga aggttcttg aacttctctt 480
 ctaggacaca anctggcgca ttcangtgat ggagcattgn ccatcttgct gnttntgggc 540
 ccgggttgta agatcctctt aaagnaangc ctcccttggc tcacc 585

<210> 7150

<211> 584

<212> DNA

<213> Homo sapiens

<400> 7150

```
cctttctctc gaggtcacca tgtgaggact cagtgttgtg gagccactag aagctgaaag 60
gggcagggaa ggaaatctcc cctagagctt ttggggatta cggccctgcc aacaccttga 120
gttctgacat ctgggctctg gaactgtggg agaatcaatt tgtcttcagc cccgcagttt 180
gtggcaattt gttacagcag ctgtaggaaa tgaacacacc agccacctag aaaaccacca 240
gttcagatgg gtgggtcaga ttccaactcc acctgaaggg ataattctag ttttctccct 300
cctcatattt tcaactccgt tttctgacaa gaaacctggc ttctgtgatg cttaatagat 360
tgacttcttt ggtcagtccc ccatatgaca gcgacctccc tgctcctctg ccaccttgg 420
ccctgagggg gctccctccc gacctcccca ctggactcag ggcagtgtcc tgctctgggc 480
acacacccat atcctctgct cacctaattg ctagaccaca ttactcggag gggaagggaa 540
ggagaaggta nangaagaac aaccctgggt tatgccacc cttg 584
```

<210> 7151

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7151

```
gagacagact cttgctctgt caccaggt ggagtgcagt tgtgcaatct cggctcacta 60
caacctccac ctctgcgtt taagcaattc tttttttttt tttttttttt tttttttgta 120
gttgcaaggt ttaatagagn gaaaacagag ctccataca aaggaggag acccaaagag 180
ggttgccatt gccggctcga atgcctgctg ngctctcagg cgatagatga ttggctattt 240
ctttacctcc tgtttttgcc taattatcat ttttaacgagc tctntttgct acctgattgg 300
ttgggtgtga gctaagttgc aagccctgtg tttaaagggt gatgtggtca ccttnccagc 360
tagccttagg gattcttaag tcggcctagg aaatccagct agtcctgnct ctcaatcccc 420
cctntnaaca ggaaaacca agtgctgttg gggagggttg cccatgaccg tctaactgnt 480
```

tctctgctgaa ttggggcata anaggggntg ngcaattgan aattcctcng gagggatgcc 540
 tttgaggcct taacatcnaa catggggct 569

<210> 7152

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7152

cctttgaggc acagtctcac tctgtcacc aggctggagt gtagtggtgc aatctttcag 60
 ctactgcag cctccgcctc ctgggttaaa gcaacattca tgcctctgcc tcccagatag 120
 ctgggattac acgtgcatgc caccacacc agctaattct tgtattttta gtagagatgg 180
 ggtttcgcca tggtggccag gctggtctcg aactcctggc ctcaagtaat cctcccacct 240
 tggcctccca aagtgtctggg attacaggta tgcacatca caccagcta atctttgtgt 300
 ttttagtaga gatgggggtt tgccatgttg gccaggctgg tctcgaactc ctggcctcaa 360
 gtgatcctcc tacctcggct tccaaagtgc tgggattaca ggcgtagacc accgnaccgc 420
 gccagttcag tggttttcaa actcgagctt gtagcancat aactgggggg ctttgtaaaa 480
 cctgatcgct ggccccaacc canggttttg attcaacagg ctggggaagg ctgaaaaatg 540
 ccttttaaca agttcccaaa gaagctt 567

<210> 7153

<211> 587

<212> DNA

<213> Homo sapiens

<400> 7153

gtattttagt agagacaggg ttccaccatg ttggacagga tggcctcaat ttcctgacct 60
 catggtccgt ccaccgcagc ctccaaaagt gctgggacta caggcgtgag ccaccgcacc 120
 caggcactag cgttattaca aggaggccat gtgagccggg catggtggca ctactcata 180

atcccagcta cttgggaggc tgaagcagga ggactgcttg gacccaggag ttcaagacca 240
gcctgggcaa catagcgaga cccactgca aaaataagga atgccatgtg aaggccacac 300
agacacatag ggtagatggt ttcagagact ggagtgatgc agcagcagcc aaggaaggcc 360

aaggattgcc aggagccacc agaagctgaa gagacaagga aggatcttcc cctggagtcc 420
tcaaaggag tgtggcttgg cctatacttg gatttcagac ttttagcctc cagactattc 480
tggtgcttta agccactgat ttgtggtaat ttgctatggc aggtccttac tctggctatg 540
ggttacacat ncaacaagtg ggagcccaag ggatttgaat caggccc 587

<210> 7154

<211> 491

<212> DNA

<213> Homo sapiens

<400> 7154

gagatggagt ctctttctgt tgccctggct agagtgcagt ggcgcgatct gggctcactg 60
caagctccgc ctccagggtt catgccattt tctgcctca gcctcccag tagctgggac 120
cacaggcgcc cgccaccatg cccggctaatt tttttttttt ttttagtagag acagggtttt 180
gccatgttgg ccaggctaatt ttttgtttgg ttttcttttt tttttttttt tttttttttt 240
tgntananac anagtttcac catgttggcc aggttggctt caaactcctg acctnaagng 300
atctggctgc cttggcctnc caaagtactg ggattacagg catgagccac catgcccagc 360
caaggagtca naattcttaa atggcttact cagttggata tatagttgag ggcanaaata 420
aatttattaa tgaaatctnt gaccaaaaca aaccaatntc canaanactn tgggccncca 480
ccccacatta g 491

<210> 7155

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7155

aatttttagct ttgatgacaa aaacaatgct ggaggagagt gagagcacca agttgaaccc	60
acgtggacca gctttgacga tgaagctaca ggcagccaag tcaactcaca catagagaaa	120
gtggaaaaag aacagaaaaag caggagacag aaacaaaaac atgcaggaga gggtgattct	180
gttccatgat cttggctcag tgctccaggg ttcctaattgt ttcagcaaaa agaaaatcac	240
tgtaatgaaa tgtaatgaga ccctttgaca ctgaggaagt gacaactcag gcttggcctt	300
ctaccacaca cctataatct gtgacttgca acagaacttt tcccgaagag cgcagtcctc	360
cctgagcaaa atggctaggg cctacgccgt gatttgctgc tctggaatgg gacacacatg	420
ttgctaatacc ttgcaaaacc agcttgaaga accattttcc tncctgagaat tttcttcttg	480
tcactgctaa tttnggctac ttaagtnent tggttcttct tcactttaag taaatatctc	540
tcgagttgat gtgccaaacc tnt	563

<210> 7156

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7156

gagatggagt cttgctctgc tgcccaggtt ggagtgcaat ggcgcaatct cggctcactg	60
caacctccac ctcttgatt caagctgttt tcctgcctca gcctcctgag tagctgggac	120
tacaggtgcc cgccaccacg cctggctaatt ttttgtatct ttagtagaga cgaggtttca	180
ccatgttggc caggctggtg ttgaattcct gacctcgagt gatccgcctg cctcagcctc	240
ccaaagtgt gggattacag gtgtgagcca ctgcgcccgg ccaaaatcag gaaatctttc	300
ccaaaacatc ctgtatatag caacactcat aactactact ttatggcaga ataattggacc	360
cgattacagg ttcacatgga aaaagttgat atttcagcca cgacccaaat ataaacagga	420
tttttcataa gggagtaaaa tggngnggtc ataaccgaga taaggtggng gggtcatctc	480
tgngctgaga aactttatct tactagtagg aaacatagta atccctacan tcattaaaag	540
gatgcctgaa gaactt	556

<210> 7157

<211> 552

<212> DNA

<213> *Homo sapiens*

<400> 7157

atatttattt ttatttttga gacacagttt cactctgtcg cccagcctgg agtgcagtgg 60
cgtgatcttg gctcactgca acctccgcct cccaggttca agtgattctc ctgcctgacc 120
ctcccaagta gctggtatta caggcacgtg ccactgtgcc tggctaattt ttgtattttt 180
agtagagaca gggttttgcc atgttggcca gtctggtctc gaactcctga cctccggtga 240
tctgcctgcc tcagcctccc aaagtgtttg gattacaggc atgagccacg gcgccaggct 300
gcatggtcat tttttaggga gctgggaaaa ctggacatgc cccaagccc cagggtcttc 360
caaatccgat tgcagccccc acatggccaa tgctgtatca gcagggtgggc ccgggaccct 420
gtcatccct tcagccccc atgnccctgg aaccttgccc gggggcaagt gccccctttg 480
atgatctagg taacatgaen aatcgnttgg agancctgggc aatctgggtt aacttaaacc 540
ttttctaaga cn 552

<210> 7158

<211> 494

<212> DNA

<213> *Homo sapiens*

<400> 7158

gagacggagt ctctctctgt cgcccagggt ggagtgcagt ggctgatct ccgctcactg 60
caagtctgc ctcccgggct cagccattc tcctgactca gcctccanag tagctgggac 120
tacaggcacc cgccaccacg cctggccaat tctttgtatc tttagtaaag atggggcttc 180
accgtgttag ccaggatggt ctctatctcc tgacctctg atccgccac ctcggcctcc 240
caaagtgtg ggattacagg cgtgagccac ggcgcccggc cctcatctc ttaaaataaa 300
aaaggttgaa ggagttgggg gagtttggat acagaccag ggagggcgcc ttgtggagat 360

ggaggcagag atgcggctga cgcttctcca agccaaggaa catcaaggac gccggccacc 420
 agcaggaact ggganaggcc tgggcaaate ccccgtnagc cttangangg accaancctt 480
 attaanacct tnat 494

<210> 7159

<211> 528

<212> DNA

<213> Homo sapiens

● <400> 7159

gagatggagt ctcactctgt tgcccagact ggaatgcagt gttgcaatct tggttcactg 60
 caacctccgc ctctgagtt caagcgattc tcttgccatca gcctcccgag tagctgggac 120
 tacaggcaca caccaccatg cctggctaata ttttttatat ttttattaga gacagggttt 180
 tgccatattg gccaggctag tctcaaactc ctgacctcag gtgatccacc cgcctcagcc 240
 ttccaaagtg ccaactgcacc tggccagcat ccaactagctt ttcattcagac catgaaatgt 300
 ttggtccacg actgctcact ctttccagag ctgcaactgga aatacactat tctgaacggc 360
 ccaagttcct ccggagtatt cctctgatgg ggcacaaacc tgggtggacca caagcatgct 420
 ggtaccaagt gctttttatt ttacaagagc cattctgntc cntttngggc gaaccggggc 480
 ctgnttcattg gttctnggct aacacaggcc aagtacactt ntnacta 528

<210> 7160

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7160

gtttttaaac attttacagc cattatccaa cagacagtaa agcagtggac cagttgctgt 60
 gtgggtataa agcaaacggt ctctgggctc ctccaagctg tggatatctc tggccattat 120
 caatagctga ttctcacttg tcctaataa gtactcagtg caggttagcc tccttctccc 180

ccgccagctt ctcttccact tccccacacc gtacatgcct ctccctttct ctctataact 240
 cagctcatct catagccttt ttctttggaa atgcaactct gctgatcact tgtgggctgg 300
 gatcccagct gcctttttgaa cagagcagac atcctttaca gagacaggtg gcctggaggg 360
~~gagaacaggt aggggcacac tgagatccca cagcaacctg agagattctg ccccgtagacc 420~~
 tgctggcccc cttcanggca cttnctaatt tcaatctttc attaantaag gcagcttaga 480
 agctgntttt cagcttgnaa aagnccaacc cggcangaat tctg 524

<210> 7161

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7161

aaacccaaac ttgctcaaaa aagcagtcag aagccattag tccttacctc ccacatgggt 60
 ttaattcctt ctttgaagag atggaagtca ctgtggcctg tcaggtcccc aggacgtacc 120
 atgtggctat aaaacctcca gaactgctcc acctgcagag agaagacccc agagtaaaaa 180
 acatgtgtct ttacttttct tttgaatgca tccaagggtt gagatttagt taagaacata 240
 agcatggaag acactatact acaggctgtc cttttcagag gactcatttt catgtgtggt 300
 gttgtgaggg aagacatatt agaggaaaaa cataccatct agtttgacaa aataaaaaat 360
 gtaacattcg caattcaaga ataaaatctt tggtgagaaa tgcaagcctt aaccaggagc 420
 ttttaagtggg gaaacctatg taatacgcac ttttccactt aagctgcagg gtagcattac 480
 atgccgnaga ngacccggtt tttgcncatg gnactnttan ccctgaggat gaaggggacc 540
 cagctaactg a 551

<210> 7162

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7162

ctgcttcttt ggagagccct gagacaactt tcttcccaa atatcccatt ttattgtttg	60
ttgaaatatt ttattttctaa ttttattatt tttgaacagt taaaaactca aagtacaatg	120
aagtttaca tgaaaaggct cactcctggg atccttatcc cccaggtatc tagttctgct	180
ccttgagac taccaatgtg atcaggttct tccatatatg tcttcagaga cagtctacca	240
tatacaaaca aataggaata catacacatt ttttcttctt atacatcaat tgtagcatgc	300
catacagttt gacaccatgc ttttctcaat aaacattatt atgccttaga gatcttttca	360
tctcagtacc taaagcactt cttcattcct ttttccattg ggcaaattaa gttcaccaat	420
cctctgnaat ttattatcta aaaggngaga catggagaaa tgaaagccta ttaataatat	480
ncagaacagc aggttttaac tgggagggtc aaaagccaag ctatggtatc tacctttggc	540
gatnttaagg tgc	553

<210> 7163

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7163

aaaagacaga tacacacaca tataacaat acggtttccg aggagagtga gggctccatg	60
cttgtgagag aggaggagga ggaatatgcc gaataaccct caggtttctc ccagatttga	120
acatgttgta ctgtggcatg aggtcagcag agacttactc cagccctgtg aggctgaatt	180
ctaccctgac aaagcagtat cactgtaata tgaagcaaga ggattcaggg catgttggca	240
gctgtacaga atgcctgttc tagaaagtaa tggcaattcc aaaacaagag atctatgggt	300
tcacatgaga taatcttcag cccagttaag caataagcac caaaataact ttgaatccca	360
aacacaggca gctcaaaagt ttaatggtag aaaagaactt ttctccttga ccctattttg	420
gtctggagga aataatcagg aagaagaaa ctgggaagaa tcatttggtt aatttgactg	480
gatcattaac cacatactgg atctganctg actggtinctg ggcacttcca nctacttgaa	540
gaacccaac cnccttggg	559

<210> 7164

<211> 467

<212> DNA

<213> Homo sapiens

<400> 7164

```

gagacgaagt ctcgctctgt caccagact ggagtgcagt gacacgatct cgggtgccacc   60
acacctgcct aatTTTTgta ttttagtaa gagacagtgt ttcacatgt tagtcagcct  120
gatcttgaac acctgacctc gtgatccacc cgcctcacc tccaaagtg ttgggattac  180
aggcgtgagc caccgcctgc acccggcctg aatactcttt gagccaatca aatgttataa  240
attaaaatca cactaactca taatcttatt ccttaaaatg agtgacttac aggtgtcata  300
acaggtgact tctcactgct tggagaatcc actgcacaga aaaaaaagaa agaaaaaaaa  360
gatatgaatg tgagtatttt ctaattggct ttggttttga cctatcaagt ggagtatagt  420
tcctacatca ctttnaacc aatttggggg gnggggtgng gnnngng                    467

```

<210> 7165

<211> 504

<212> DNA

<213> Homo sapiens

<400> 7165

```

gtagagacag ggttttacca tgttggccag gctggtcttg aactcctgac gtcaggtgat   60
ccacctgcct gggcctccaa aagtgtggg attactggca tgagccacca tgcccagcca  120
gtttagggat ttttctacct gagagtgtgt ggctctgttg tagccaggaa gctaaagcct  180
agtatctatg ctcagggttc cagtgatctg gggatctaga acaatcctgg gaaaagagcc  240
cttactctca gcaaagtcag tattccccat gtctactag aagagagaga gtatactttg  300
aggtccttgt aaaaccattt agtcccaaac tcagcttgag ccacaggtag ttgtcactgg  360
ctgggtccag ccagagagag tacctgaaga aatcactcag atgacagctg atcacttact  420
gtgtgacctc aggcaagtca cctcccttc aagcctnagc ttcctncact gnnaaatga    480

```

gaangctgac ttgacctggn ccan

504

<210> 7166

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7166

gctttttaag ctgttttggt aaaaagacac aaacacacac attaatccac gcatatacag 60
 ggtcagggttc agtatcactg tcctccacat tcacatcctg ctccacgaga agtccttagg 120
 ggcaataaca tacatggagc tatcatctct gtaataatgc cttcatctgg aatatctcat 180
 gaaggacctg cctgagggtg ttttatagtt aacttatttt tataagtaga agtggtacat 240
 tctaaaataa caaatatagg atagtaagta tgtcaaccaa taacataatc tttattatca 300
 tgattagcat tatgtaccat acacaattgt atgtgctata ctttcatatg actggcagca 360
 caatagatttt gtttatacca gcacatcac gcacatgtga gtaacacatt gtgctgtgat 420
 gttatgggca actatgatgt cacttaggaa taggaatttt aattctatta taacntatga 480
 gaccacggca catatgtaac ttggccttan cgaacatctt atgtggngct gactaaagat 540
 cacccaacca a 551

<210> 7167

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7167

accgcaaact ggttccctcc acctgagtat cctacccatt atgggctttg aatgtgtatg 60
 ccctgcctca gacctttgag attaggttct aaacttaagt tcacaaaaga agcatcacct 120
 ccatagtga tcaacctttc agcatgaagg gtgaaatgtg aatgatcta atctgcttgt 180
 acgcaatgcc taacgtgggg ttgcatagat gtgatgctgg atggttttgt aaccattcct 240

ggaggcaaga ttcctccaca accatgttcc attactctgt ggccatgttc taccttgctt 300
 tgacagccta gcatagaaca ttttggcagt ttcagatcct gactagatgt ctgctggagg 360
 agttaaagc tgtagtcact gggacagatg cgtgggtgagg ctcccggctt accatgtcct 420
~~catgtgeega agctttttca tttcctctct ggattcaagt ggaagttaca agccttnaat 480~~
 attaccctca ttatactgag gctgananca atcagtttac ntcctagaaa ttncattagc 540
 ccttc 545

<210> 7168

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7168

gtagttggtg tttgttattt attgattctc cctccaaagg ggccaaagct cgacaaaacc 60
 gttacagttg tcagaacca gccacagggc tcagccccct tccccacgt cacgtctgca 120
 tcactactgt ggggtgagcct ggacggacgg gggctggggc tgcccgtggc agcggcaagg 180
 gatgctttcc agagacagcc accacgcagg agggaggatc accccaggca accagacac 240
 ggggtgtcac atgtgaggct gtgagctcca catagcacia aggaggcttg ctgacttttg 300
 gcggccatgt ctgctgggac ctgggtgatc cagtgcgtgc cacagccaga agcaccattc 360
 cctgcatatg gccactagcc accctggggg gggacagcct gtctagacag acagcacctt 420
 gggggctccc ctgagggtca gtgagggcct gacccaggc angaactgcg tggacgcttg 480
 tcttcaaccg ggacaaacct ggccttcggt tgcntntgcc taatgnattg ggttccanac 540
 tgggcccgga naaacctggg tgggaaactt ggg 573

<210> 7169

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7169

ggagacaggg tctctctctg ttgccaggc tggagtgcag tggcacgac atagctcact	60
gcaccccttga cctcccaggc tcaattagtc ctcccacctc agcctcctga gtagctagga	120
ctacaggtgt gcaccaccac gcttggctaa ttttttagtt tttttgtgga aagagggttt	180
cacattgccc aggetgggtct cgtgctcctg gacttaagt atcctcctgc tttggcctct	240
caaagcactg ggattacaga cgtgagtcac cgcaccaggc cctatgaaca ccgtcttact	300
gaaccctcac agcaacctta ggaagaggat gctgaggctc aggtggggta agcaagctgc	360
ccaaagacct gagccctccc accaccggc agtccctccc tggcgcggn accagcctac	420
cttcagccccg ataacattct gcccgctctac ctacacacg taatgggttg gtgaagaacc	480
cggtgcggcc cgcaaaattc ctttgaccng agagacaatc ttnccttntt ggacaccaag	540
ccgactgggc catgctggcc ttggcatggg ga	572

<210> 7170

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7170

aataaatact caatatgcag attttcccct tttttctcac tggtagctac tgcaatgccc	60
agaagcactg gctctccatg ctgnggaaca tgcccaacac tacgctaggc aatgagagat	120
actgatgagc aaaacacact tgtggcctca tggaatgaat ggaaggaggg agatagcaca	180
taagtatttc aggtagtgc aagtgcctatg gaaaaaaacc caagacaggg tggacacagt	240
aacctcttca gatgcggcgg tataggcagg aaggcttccct tgagatacca ggcaagctac	300
gagctacctg atgaggaacc agtgggagaa catctggttg cgagggttg gccaggggga	360
agggggctct gacacaggaa caaatttgat atgcttgaaa atcactaaga tcaactgnggc	420
tggaacacag tcagagagaa aaatgtgtan taaatgaggn gggaaaaaaa agcnnggccc	480
attcaaatca aaactttnaa ggccatggaa agnaatgccg gaattgccct aagtnccaat	540
ggggaag	547

<210> 7171

<211> 352

<212> DNA

<213> Homo sapiens

<400> 7171

```

aaagagagca ggtcttgcca tgtggcccag gctggtctcc aactcctggg ctcaggtaac   60
gtccacacagn ggccttgcaa agngctggga ttacaggcat gagccaccac ccctggcaca  120
ttttttaatt ttttgtanan atagggtctc gccatgttgc ccagtctagt catgaactcc  180
cgagttcaag caatcagccc accttggcct cccaaagngt tganattaca ggtgttgggc  240
caccacactt ggcctanaaa tcattttcca ggcacggngg ctcatgccta taatcccggc  300
acttttggga ggcgaggcgg ntggatcacc tgaggncana agttnnagac ca          352

```

<210> 7172

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7172

```

gagacctctg ccactccttg atgcagggac caaagtcacc agtcagagaa caagtcattt   60
ctctacctca gccaccattt tgttctaaaa ggnaacatag aacaaatgtt aagttttcca  120
aagtccagat ttatgatcag agttaatgag ctgaataatc agctgtaaga aacactgatt  180
aaaaacattt acatgagtta atttgtgtta ctgactttta ctagaatgta ggcaccctca  240
ccatgctggg gaggggtgcct aaaagaaaac catacttcca aactctcgct ttagtaactg  300
taccgcttac aaagagccca acagtagctg aagtttatta ccgttatgtt gctgtgaatg  360
ccaccaatat gtactgtcag acttgntttg ggtgaaaaaa acaactgcaa aaccaatttt  420
tttttctaac atctgatagg gacttgatga agccgctaaa tgctaggggt tacatttcag  480
gaaacaactt atttatggta tgggtgctat taatcccaaa gggnttcacg gngaaatacn  540
ggntttncnc                                     550

```

<210> 7173

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7173

```

gtagagatga aatctcacca tgttgcccag gctggccccc aactcctgca ctccagtgat   60
ccacctgcct cagcctccca aagagctggg atcacaggcg tgagccaccg tgcaagccct  120
acaattttaa atacttaa atgttgtaagtt ttctgtttcc tgactgtact ctgatagatg  180
cagtacttgg caccagaatg tgccatgaga cagaccctaa aagacacagt tgtgcaactg  240
atttggttgt gttcctgtcc ttgtcctcac ctgtggttga caagaaagcc gggctccctg  300
ggctctcagg tgtgcaggac ttgccctccc agccttcccc acgggagcca ctgccccttc  360
agtggggtgc tccagacaag ggcgacatcc tgcgctttca gggcccacag aacactgatt  420
ttggtgaatg ccaaattctg gggcccaaaa acaccatggn gggccaccag cnaaagnggt  480
ggctgacggc aagggatcat gccactgggn gtccaagtgc atnttgaact tgggcctgga  540
agttttgaaa ancctgcttg ngg                                           563
    
```

<210> 7174

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7174

```

gagacgtagt ctactctgt tgccaggctg ggggtgcagtg gcgtgatccc ggctaactgc   60
aacctccacc tcccagcagg ttcaagcgat tctcctgcct cagcctcctg agtggctggg  120
actacaggtg catgccacca cacctggcta atttttatat ttttagtaga gacagggttt  180
caccatgttg gccaggatgg tctcgatctc ttgacctcgt gatccaccg cctcggactc  240
ccaaagtgtt gggattacag gcgtgagcca ccgtgcccgg cctaaaggag taaattttaa  300
    
```

gtgttctaac cacaagaaa tatgtgaagt aacgcataatg ttaactgggt tgatttagcc 360
 actccacaat atacacgtta tttcaaaacc cacaggcatc acatcccatt tctcacccat 420
 gagtagaata aatcatagac cacatcacag caataaggng acanctgtgt cancnggggc 480
 aaggntaca ggacttacca ncaaacatct aaggggctnt ttg 524

<210> 7175

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7175

gagacggagt ctgcttggt gccaggctg gaggcaatg gcacgattc gactcaccac 60
 aatctccgcc tcccagggtc aagcgattct cctgtctcag cctcccaagt agctgagatt 120
 acaggcatgc accactacac ctgtctaatt ttgtattttc agtggagatg gggtttctcc 180
 atgttggtca ggctgggtct gaactcccga cctcagggtga tccacccgcc ttggcctgcc 240
 aaagtgctgg gattacaggc atgagccaca gcacctggcc ctatttttgt atttttaatg 300
 gagacgaggt tttaccatgt tggccaggct ggtcttgaac tcctgacctc aagtgatctg 360
 ccagcctcag gtgccaaagt gctgggatta cnggcaagaa ccaactgtgcc cagcctactg 420
 ncaagtattt ttcagatgan ggaaaacca gacttcagag aaattaagga atctgtccaa 480
 ggcgtatagt caaggnatca gaatctggaa ctggagcctt tcaatccaaa gtccaagctn 540
 ttaatcttca ggccccactg gt 562

<210> 7176

<211> 546

<212> DNA

<213> Homo sapiens

<400> 7176

ccccatttaa aaatatntta cagnggcata actttccctg tacaaatngg gtttaagaaa 60

caaaaggac aatngctaa tcaatgatga gcctttaatc caaccattat atatcccctt 120
 tccatcctta gatcccttga agagaccatt tagttaagac taccaacagg tgacaccctg 180
 acctccttac caaccttgcc ttttagaggt gaccagagac ctgtgctttt ccaaagtact 240
 gttatacgtg taattagtat aatatcaatg tggggaaact ctacctttgg attttgagga 300
 ctctgctttt cttgaaaccc tctgggttag agactgttta ttcatatgca cctcaggaac 360
 ttgaggccaa gatgaagttc actgcttcct agtcctttgc ttgntctcct ggccattatg 420
 ttccaccttc attcaaaatg ccttctcttt gaagctgntt ataaccaag caacaccatt 480
 aaactnactg ggngcttaac tggnetcaat caccacnttt tccaagtcna cttttncctt 540
 ttttca 546

<210> 7177

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7177

atactgacaa ccaagcttta ttactttatt agagctgaac aagcatatta aaagttaggg 60
 catggaaggg aggaagcagg accagctcac gggctggaga tgaaccaaga agggttgtcc 120
 atgaggtgaa gctgggtcag agggagcagg catggtcgag gctgtggtta ccatctagaa 180
 ggagaaggag tagtggggag ggaaatcact gctcctgggt gcccaggaa atgtagtctg 240
 gctgggtggc cgcatggtac tcatcaatga gctcctgaac aacctcccta gacctgtcca 300
 tctcatcaaa gttgtccttg aacatgtcct ccttacggaa ctgctcgagg aaggcatccc 360
 gcttccgcag cttgtcaaac tgctggcagg aactttcaaa gagcgaggag atgctggtgt 420
 ggttggccat catgagcccg ctgaccgggt gggcccaggg cangtaggga gactttcttg 480
 acaggggcca cctggatctt gccgggnccc acnggatgaa nttggccact ttccgttccc 540
 ggntcttttn gggt 554

<210> 7178

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7178

```

ccgagacgaa gtctcactct gtccccagg ctggagtga gtggcgtgat gtcgactcac   60
tgcaacctcc gcctcctgag atcaagcgat tctcctgcct cagcctcctg cataactggg  120
attacaggtg tgagccacca cgctcggcca acattctgag attacttttt ttttcatttg  180
gggagacgaa tcccttacta gcagagctgt attgagggtt aacggtggta atgggtctcc  240
agggcttggt gcagtttgta ctcaacaagt acgtaattct ctcctttggt tgcccctgaa  300
tacaagagtg gtcttgtact tccctgcctg aacagtcac agccaatggc actccagtcc  360
ttgtcacatg gttccactct taggatgtaa attaggaggt accagcttga gaggcanagg  420
caaaggcaag gttaagatgc agctgtgang ctgggcacaa tgggttcacg ccctataatc  480
ccagcacctt tgggaaggcc gaaccgagcg gaccancttg aggncaaana gttcgagaac  540
cagcctggnc aacacgggga aaaat                                           565

```

<210> 7179

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7179

```

aagagagaca aagttttgcc atgttgccca ggcaggtcct gaactcctgg gctcaagcga   60
tcctcccacc tcggccttcc cgagtgtctg gactacaggc atgagccacc acacttagcc  120
tgtcggagtc cttttgataa taagggtgact tgaggagaca ggaaggaaac actaaagcca  180
gcacaggggtg tcccggggca agtgcattcc aggccaggaa gcatacgagg caggatgtgc  240
tcggcatgtt caagacttca gggacaccag gggcagatgg aggatggcag agaatgggtga  300
gaggaggcca gagcaggcaa gaggccttta ggactctggc ttttactgag ggacatggac  360
gccgttggaa ggtctgagct cggaatgacc tgactgacct gtcttacagg gacaacttgt  420
ctgtgggggg acactggcan ggaagcttgg cttgtggcca cccaccggcc ggcactggca  480

```

acctcgtcct tgcctttcac aatggaccng gcntgggctg ngtgacccca gatncnganc 540
ttatngggaa t 551

<210> 7180

<211> 518

<212> DNA

<213> Homo sapiens

<400> 7180

aaaaaatgtt ttggctttta agagagtttg atgtattttg agccccaata atagatcagg 60
cagctgagag cagcctgcct ggtcctccgg gcagtggagg gaaggaggat gaaagtaatg 120
aagcagattc ttgtagctga ttgctaggac ttgggaggag agctgagagc atgtcctatg 180
ggaagaaagg aggggaagagc cttctgccag agtgtctcag tcagcaggag ccgaggagca 240
tggcagccca ggctaaaggg tggcactctc tccaacacag ggcaatatga ggtctgtaga 300
agaggctagg aggaaaccgc acatgaggaa aaacaagcga ctcatggcat gttatagcga 360
ctccaccaag gcattttatt ctctacactc accatgaaga caatggaagg ntatagaatg 420
tgggatgggg aagccggaag tcataattca tttaaaatcc cttctgggn ttaatatttg 480
ganggttcaa tggnccggan aagaaccntt tnaaaanc 518

<210> 7181

<211> 487

<212> DNA

<213> Homo sapiens

<400> 7181

aatagagaca cggctctatgt tgcccatgct ggtctcaaac tcctgggctc aagcaatcct 60
cctgcttcag tctcctaaag tgagccacca tgcctggccg gaactcttgt tgcaagaaca 120
ataagcatcc actactgcag ctgaaaacat ccctgacaga cccatctccc tggatattcag 180
ggaggggatgg actaggcaat gattcagaag tcatactgaa aagctgccct tttcctactg 240

gtgcccctgc agtctgagcc caagcagaca catacttcag aggtgctaca tttgtgctac 300
 aaagcacaga tccttcttga cctggaggcc agccttaccc actgagacca ggcticctgna 360
 gttctccagc atcacttccc tgtacaggga ctcttggttg aggnccaaca gtccccactn 420
 tttcngggtn aaaccaggg tacatttttc aaaggcaatg ggtinctaaaa atcccnattn 480
 ttgttaa 487

<210> 7182

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7182

gagacacaat ctcatctgt tggccaggct ggagtgtgt ggtgtgatct cggtttactg 60
 caacctccgc ctctgggtt cacgcgattt tcctgcctca gcctcccag tagctaggat 120
 tagaggcgca caccacatg cctggctaata ttttggtgta ttttagtat agacagggtt 180
 tcactatgtt ggccagactg gtctcgaact cctgacctca tgatccacct gcctcacct 240
 cccaaagtgc tgggattaca ggcgtgagcc accgcgcctg gcacccatag gcaactttct 300
 tagtctgttt gtgctgctat aacaaaatac ctgatttata aagaacagaa atgtatcaca 360
 gttctgtagt ttatgaagtc caagatcaag gcatcatcag gttcaaatgt cctcttccaa 420
 ggggtgcctt gatgctgcat ccttcanaaa ggacntgtgc ctacgtgcc aaaaggagg 480
 acaagggaan ctgcattgag ccnctttatg aaaggtggan ncnctttcca aa 532

<210> 7183

<211> 506

<212> DNA

<213> Homo sapiens

<400> 7183

gagacagagt tttcttttct ttcttttttt ttttttttt gagaggaagt tttgctcgtg 60

ttgcctaggc tggaatgcaa tggcatgata tcgactcact gcaacctcca cctcctgggt 120
 tcaagagatt ctcttgccic agcctcccaa gtagttggga ttacaggcgt ttgccacccat 180
 gcctggctaa tttttgtatt tttagcagag acagggtttc accatgttgg caggctggtc 240

 tcgaactcct ggccctcaggt gatctgcccc cctcagcctc ccagagtgtc gggattacat 300
 gcgtgagcca ccacacctgg tctctcttct ctttagaatg ggcttcctaa cagatgacat 360
 tttatttatt tctcttggct gctttgctac tctcccacta gaaatcaact gcatgaaggc 420
 ccgggctttt ggttgctttg gttggnttaa ctncagtgcc tggaactgnc cctgggacat 480
 agcangnncc atataagatt gctgag 506

<210> 7184

<211> 183

<212> DNA

<213> Homo sapiens

<400> 7184

cttttttttag aaaaataggc cgggtgcagt gactcacacc tgaaatccca gactagggag 60
 gccaaaggcca gtggatcact tgaagtcagg agttcaagac cagcctgacc tcangngatc 120
 tgcccgccctt ggcttnccaa ngctctggga ttacnccnt ganccactgc acctggccta 180
 tcc 183

<210> 7185

<211> 430

<212> DNA

<213> Homo sapiens

<400> 7185

ganatggagt ctggctctgt cggccaggct agagngagac catntcaaca acaacaagaa 60
 aagaaggngg ccatcatntg caagccaagg agagagaana aaccaaacct gctgacacat 120
 tgatcttgga cttctagtct ctanaattgn gagaaaagag atttctgttg ttaccaccc 180

attctgggggt attttgttgn ggaaacccta gtaaacatac tatattaaaa ttcttcctta 240
 tgtccatag aaatactccc aactttaatt tattcataat ccactttctt tagtttacag 300
 agtcctcata aaacacaatc tatacttgaa tgcagtgagt acactgcact ttgacctttt 360
 tttttttttt tttttttttt tttttttttt tganatggan tctgggcttt gtcncccagg 420
 ntanaangca 430

<210> 7186

<211> 498

<212> DNA

<213> Homo sapiens

<400> 7186

ganacagtct nactntgttg ctaggctgga gngcaggggc acaatctcgg ntccctgcaa 60
 cctccccctc ctgtattcaa ggaattctcc tgcctnagcc tcccagagtag ctgggactac 120
 aggtccgcgc caccacgccc ggctaatttc tgnattttta gtacatcctg ttgnacatcc 180
 tgttggccag natgggtctcg atctnttgac ctcngatct gcctgcctgg gcctcctaaa 240
 gcgttgggat tacaggcatg agccaccgca cctggccana aaatattttt atataangga 300
 accagaaaga catgccattt tcaaaaactgg canaattaaa tcctgaattt tcaaaatatt 360
 tcaaaaatgg ttttaaaaga gccactcact gggtttcctc cngacattca tttantaagn 420
 gggcctatag catcattcca tttntggaa acagtgcntt ttaggaatca aactggctta 480
 ntaaaggggg gngccccc 498

<210> 7187

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7187

caaattacta gaattttatt agccaaggga tagcagctgg aggagaaata acaaaaaaat 60

acatcttaag aatccttaag tacagtgcatt atttacaatt taagtgtcat attttagaag 120
gccactgtcc atcagctcag taaatgtacc agcttctaaa gccatgatgc cataggtcca 180
tttgttgatg aaattcctac ccactgtcct cgggcatctg actctgggtct ctgcactggc 240

atcaagagaa cgctgctcgg tggtttaagg ctaacacctt acagggtaac actgtaacac 300
tggccctgga gccagggtgct tttctccatg aaaacttcca ccttggttagc tcagccgaca 360
tagacaacac acaaagcgca gctctgcact tctgtcctta tcttcacaca gtgacatcca 420
caccagggtgg ccaaacagaa gagaaggcag agggccacca agagctgatg ctgngcaatc 480
cttgggggac atccttcggc ttactggggg acnaanccag gttttggagn cttttccctg 540
aa 542

<210> 7188

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7188

gagatggagt ctcgctctgc tgccgggctg gagtgctgta gcattctcagc tcaccgcaac 60
ctctacctcg cgggttcaag cgattctcct gcctcagcct cccgagtagc tgggactaca 120
ggcacgcgcc actggccaag atggtctcga tctcttgacc ttgtgatcca cccgcctcgg 180
cctcccaaaa tgctgggact acaggcatga gccaccgcgc ccagccccag actttttttt 240
ttttaagatg gagtctcgct ctgtcgccca ggctggagtg cagtggcatg atcttggctc 300
actgcaacct ccacctctg ggttcaagct attctcctgc ctgacctcc caagtagctg 360
ggactacagg catgtgccac catgcccaag ctaatttttt tggttttttt tttttcnttt 420
tggagaacng gaatttaaac tgttgccaaa atggatgcaa tgggcnactg ggctactaca 480
actcgcttct gggttaagca tttctggct aagcttccaa ggactgggat acggggcctg 540
cacc 544

<210> 7189

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7189

```

aagacggagt ctcgctctgt caccacgct ggagtgcagt ggcaagacct cggctcactg   60
caacctccgc ttcccgggtt catgccattc tcctgtctca gcctcccag tagctgggac  120
tacaggcgcc cgccaccatg cccagctaatt tttttgtatt tttagtagag acagggtttc  180
accatgttgg tcaggctggg ctccatctcc tgacctcgtg atccaccac cttggcctcc  240
caaagtgctg ggattacagg cgtgagccac cagccccaga tatccccagc ttcttttaat  300
gccatcttac ctctcagcc tcctcaaacc aaagccaacg tcttctcatt ttggtgctgt  360
cctcgtttgc ggaataacta atgacattta aaatcaaacg gtgatctgcc ttctagaaa  420
accagcccc cacctagaga acacccttcc cagcgtctg gggccccnt ggnacctgna  480
gtctgatcca cgangaccgc gaagttgatg aatccggcca aancgagaga acatggcttn  540
tacgnccttt                                     550

```

<210> 7190

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7190

```

acaatttctc atatggcaag atctgggagg gctttgtttc accttttttt tgaaggcagc   60
attactagaa ataagatcat gggtcacaaa gcttttgtcc tttagtact ttgaatgtat  120
catcccactg cttcatccc ctccattgtt tctgatgaga agtttgctgt taatctattg  180
gggtaccctt gtggcacatt gtttttctct tacagctttc aacatttcct ttcactttta  240
acatttttac tatgacgtgt ctgtttgtgg atatgtttgc attcattctg ttcacagttt  300
gttgagatgc ttgtgagtat agattaatgt ttgttcaata aattgtggat gtttttagcc  360
attatttctt tgaatatatt tgtgcttctc tttctcctca cttatggta ttctcattac  420
atgtacactg gtgcactgaa aggcgctcctg aatttctctg aggctctggt tataattctt  480

```


tggtctaatt tcttaatcta attcttcaat ttcnaatct aatttctaatt gggaanatgg 540
aattganggt gcataattct atggactatt tgna 574

<210> 7191

<211> 522

<212> DNA

<213> Homo sapiens

<400> 7191

aagtatggag gctcaagtat aagatgtaga tttttttctt aagctttaca aaaaaacaaa 60
ataaaacaaa aacctccttt tgcattccat agaaattgac agaaaagcac ctggccggaa 120
gagcggaaacg gtcggcggca ccccccccag cccccacccc gcggcctccg tgggacggga 180
gagtctgcgc aggacggcac cgagggccac ctctgctccc agagctgtcc cctgtcccca 240
cgacccccaa cccaagcaa ctcccaaaca cacacggaat aagatttcca gttttttctt 300
tctctttcac acaccacagt tagttcataa aatttttttg tttacattt tttacaccaa 360
tgtacaaaa aggtgggagg gaaggaggc tggcagacag tggattttat gcctataaat 420
ggggggacag ggaggaggac ggggggcccg ggtgaacaaa aaccacacng tctctatgga 480
aatgtggaga gaactgaaan cnaagtgtng canaancang ct 522

<210> 7192

<211> 578

<212> DNA

<213> Homo sapiens

<400> 7192

gagacggagt cttgctctgt tgcccaggct ggagtgcagt ggctaaatct cggctcaccg 60
caacctctgc ctcccagggt caagcaattc ccttctctca gcctcccaag tagctgggat 120
tacagccgcc tgccatcatg cctggctaatt ttttgtattt ttagtagaga tggggtttca 180
ccatgttgtc caggtttaatt tcgaactcct ggcctcaagg gatccgccc cctcggcctc 240

ccaaactgct aggatcacag gcatgaatca ccgcgcccgg accagtgtaa gcatttgggtg 300
 tgctgccaat caaggactta tttacctttg catccctgct ctgaggccag cacaatcctg 360
 tcacacagta ggtacacaat gcacatttgt ctagcaaaaa gtactggaaa gcagaagggt 420

 ggatagaget ctgcctgggt tcaaatccag gctntggcat ttactaactg aaanccttgg 480
 gcaagttggt taacctctct gggcctgttn ctgactggng aaacagacng aanccttctt 540
 atgaggtgga ttaaagaccc aatggaatta atatnccn 578

<210> 7193

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7193

agacagagtc tctctctgtt acccaggctt taaggttttt ggtagacaca gggctctcact 60
 atgttgccca gtctggtttc aagctcctgg cctcaaatga tcctcctgtc tcagcctccc 120
 aaagtactca tattacaggc atgagccacc atgccctgct gtaaattgtt ttgaacagag 180
 ggtgaaatag gcttagggag gaacatactg agtctgaaat agaacatcca ggtggaggat 240
 cagccatcag tgagagctgc acaaagggtca tgattagagc attgactcag cttagagaag 300
 ggagtcagag ttcagacagc cacaggcaat tcctagagta agtgaagaga acaattttga 360
 aaggcacctg ctgaagaaaa gcaattattc attcctaaaa ggcactgccg atccttcaca 420
 ttgaacatca gaaaagggtca cttctgaaac aaggcttctg tgggacaaag aaaaactcta 480
 ttctggtctt aaaaatctca aaacccgacc cttttatggg aaggttcatt taaggnccta 540
 nttagaaaac cgttcncnga attggaac 568

<210> 7194

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7194

gagacggagt ttcactcctc ttgccaggc tggagtgcaa tggcgtgac tcggctcact	60
gcaacctccg cctcctgggt tcaagcgatt ctctgcctc agcctcccga gtagctggga	120
ctacgggcgc gtgccaccac acccagctaa tttcgtatit gtagtagaga tgggattitt	180
ccatgttggg caggctgggt tcgaactccc gacctcagg gatctgccg ccttggcctc	240
ccaaagtgt gggattacag gcgtgagcca ctgcacccag cccatatatt catgttttag	300
ctcatgaata caaccaatit ctctgaagat gatggattct attaaaaaca ggtgtttgtc	360
acatgactgg ggattgtagt ttactgaaac acaaccaa at taggtagaaa tcatgatcta	420
ataaagttag catgttaa at atgnatctnc aattccagga tttccatgag acttgnagaa	480
cttctttttt ttttttttaa gaaacagcan gacattaaac ctttactggg ttttcncata	540
agnctgggcc caccgttggg gcctcnattc caag	574

<210> 7195

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7195

aatttcatct gtttctcttt atatttttta tattggatac aaacaaatta acaattacag	60
actatcgcca acttataatg cttaaacttt atgatcaata gtaataaatt acacgagata	120
ttcacacttt attataaaat agggtttgtg taagatgatt tttcccaact gtaggttaac	180
atcagtgttc tgagcacatt taaggtaggc ttggctaagc tatgatattc agtaggggat	240
gtgtatttca tgcatttttt acttacaata ttttcaact atggtggatt tattgggaca	300
taaaccatc ctaagtcaag gagcatctgt atacatgaag ctaacattct attcctatca	360
gacagtgtc ctctaaagta tgtcactgca aaacttaagc cttcaagtaa aatgatcaga	420
tttgcatct agaaagatta tatgccctgg tgagactggg ttaaagattg aaagccgatg	480
naagctattn cagttgctgg ggcaaacaat ggtagggnc nggttnaaa catgtgcct	540
aaanggt	547

<210> 7196

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7196

```
gccattactt ttaatgactg ctgcaccaac ctattagaat catttatatt tattcatcca 60
tcattctgct tccccctctag aaaggaagct ccatgagaat agaggccaaa tctactcaaa 120
taactccacc ttcccacaca ttgtcaataa tcatttacca actgactgat agagaagtgc 180
cttccctggt gctgggatga ggcacatgac acgccccctt gaaagtcact gtcattggaca 240
gttggcattt gctcttcaact gctgcacccg tggcgtggct gggcttaggc tgatctagtc 300
tggccttgac tctaggctga ggggtgggaac catgcctgct ccacacgcct ctcattccac 360
agccagagcc gccgttcctt ggggcacgca tatctcgtgg ggaaaatcaa gaggcctaaga 420
aggcangcct ggcaatgcc aacatttcan gcttctgggt gngcccgtgn ctgngaaaat 480
cttggtggca gaagcaagta cccagcncaa gcaacacntt aagccatcac cttcttcggc 540
ctggcaagga tgcggt 556
```

<210> 7197

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7197

```
agagaacact caccaaagct caagaagcag tgactattca ggatgattac agaggtaaga 60
gaaactagga attgttacta ggagcacctg atatatacaa atgaaataaa tggcacccag 120
ctctcctagc acaaacccta cctctcaggg gaggccagca gtctcttctt cctgataaca 180
tttttccatt tattctaggt cataggccct acatagctat gagagggaga ccaggagact 240
gaatgtgcct ggcaatagct atcttccata ggaatggctc attaagaata tcatttcatt 300
tcagatgggt agactgtatc gaataccatg agtggcaagg gttctgcttg gcaaggctct 360
```

gtttcaagga ctttcatgac cttatgtgat ccagtacatg cattccccaa ttgcaatcac 420
 tgcccactat cctcatcatc cagcttcaat tgagatgagg cataaaggta agtctgngga 480
 cccttctagc agaaaaaaat gccagangga atcacatgtg angnttttaa ggctttactc 540
 tggetgaact ggggtaaacc ta 562

<210> 7198

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7198

cacgtttagt attttattat gaatcattat ttcaaagtcc catactgcat attcatataa 60
 ggcaacacgg cacaatttca ggcttcatca caaaggatga aaaagactgt ttctaactcc 120
 ctctaattt gcanacatgc ttgaacactt aatggaaggt gaagtttatt ttgnggcccc 180
 tcagttctnt ttcaagtcct ctagtanaaa gtctccatgg ngtgatcttc tgactgggta 240
 naaccgcaa ttctctgctg tttttagtct ttgttccana tgactaatta catgacttgg 300
 ctgcatttgt gaggggcccga caccaacaca attaaaccag tgcaccattc agggccatag 360
 ggtagggaggc accagggttc aagaaggaaac ttgcgtgttg taggatctga gttggggcgg 420
 ctctattccg actatccatc gatctccttt cctcatcctc aaaagcttcc tcccggcatt 480
 ggcggnngca tcctgggact ggtgggacct cggatcccaa ggtcgtcatg gtgntctccg 540
 cctcgggggaa c 551

<210> 7199

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7199

cttttttcga ttaagtctcg ctttgtcacc caggctggag tgcagtgggtg aaatctcagc 60

tcactgtaac ctccacctcc cgggttcaaa cactttctct gcctcagcct cccgagtagc 120
 tggggttaca gctgcgtgcc accatgccca gctaattttt gtatttttag tagagacggg 180
 gtttcgcat gttggccagg ctgatcttga actcccgacc tcaagtgatc agcctgcctt 240

 ggcctcccaa agtgctggga ttacaggtgt gagccgccgc gcctggcctg cctttacttt 300
 tgattttgta tattaagcac agctacattt tagaaatctt aaccaaaggc cttaaagcgtt 360
 cagaatacat ttattcactc aactcagaat accttttcct tggtaaattc tgagttctaa 420
 ttttaaagc cctangtggc ctttccgatg ggtattacag gngtaaaggg aaatgngatt 480
 tggtaggtna ataaccctta cccataaata aggatactag aagtaagact tacatttta 540
 ccaagttnaa taatctaata gc 562

<210> 7200

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7200

agcacattga gcctatgtgt caaagccgtt ttcaacaccg gcgtgtgctg attccatcct 60
 ttcatgcta ggccgtgttcg tttttattta agacttttat taacaggtgc ttgcagtttg 120
 ttactttttt gaaaaaatca agttgtaaac ttttatgaca aattaaaaat gaagttctta 180
 aaaatctcaa cttgagcaga tatgaaataa ttttaaacc tttaaaggcg tattgagaaa 240
 aaccaggctt tttaaaaaaa cactttgta ttaccaaaaa gagacgtctt taggtaaaaa 300
 taattggaaa ccccatgcc cacagataat gcagctagtt ctagttatct ggtcagtga 360
 cgaaaagcaa gcacttangg tcttcagctc caattttcgt tcatttctta tcgctggaat 420
 tcctagtctt ggttngatga ctaaaccggg tgatggtaga aggtaagcag cccgcanttg 480
 cccacctgga accgaggaat tcttaactgg tgggacaact gnttctgggg gctttnncat 540
 cttggggttt anggttttct gggccan 567

<210> 7201

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7201

```

atacatgtat attatttatt gttgattctg tacaccaaat ggattacaag cagcatccag   60
cagaagacag accccccaac cctgcccacc agggctcaca ctctacaaaa ccctgagggc  120
ctagaaatct gtaaattgcat cgccaagcac tggggctgat ttgcagtaat tctctaagca  180
aggcaaakat gatctagctt tgaaggcagc atgaaggcag cgggttggtg agaacaatct  240
ctccttaaga gaagaagaaa cctggggcgg aaggagtttt ccccggaagt ggcttgccag  300
cccaccctct ctgaaccaca gccatggctt ccttcccaag gccactgctg gcttcccaac  360
aacgcagatt cagttctgac tgtgggatct gggggctgaa tctttgaatg gtttatggct  420
aaaagctagg atacatctaa catctggcga caactntggg tcccagnta tctctaactg  480
gctgntcttt ggaaactttc tgagttggaa gttctttcca atagctttac atagcatctg  540
aaaggttggt gaaattgggt cc                                           562

```

<210> 7202

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7202

```

ggctttttat ataaagaatt tttattttct tttgtttaaa acacccattt attctctctc   60
aattttcatg gatcaggccg ggcgcagtgg ctacgcctg taatcccagc actttgggag  120
gccgaggtta gcgatcatg aggtcaggag atggagacca tcctggctaa cacagtgaag  180
ccccatctct actaaaaata caaaaaaatt agccaggcgt ggtggcgggc gcctgtagtc  240
ccagctactt gggaggctga ggcaggagaa tggcatgaac ctgggaggca gagcttgtag  300
tgagctgaga ttgcgccact gcactccagc ctgggcaaca gagcgagact ccgtctcaaa  360
aaaagaaaaa aagaaaagaa aaagatatg gcagaattca actgtatgca atggaaggac  420
ggaagtcctt ggttcctttg cttggctatt gnetgggggc attcccagct actagagtct  480

```

gnctgcatag aaatggtagg tagaagtctt ctaacacttc tctctgntct gntctccttt 540
ctaccttanc tcttctgntt taac 564

<210> 7203

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7203

ctttctctct ctctctcttt ctctttcttt ttcttctctt ccttccatct ttccctttct 60
ttctttcttt ctttctctct ctttctttct ttctttctct ctttctttca gacagggtct 120
cactctgtcc cgcaggctgg agtgcagcag tgccatcata actcactgca gcctcaaact 180
cctggcctca agtgatcctt ccacctcagc ctctgaagta gccaggatca caggcatgca 240
ccaccacacc cagctaattt ttagattttg tggttgttgt tgagataagg cctcactgtg 300
ttgcctaggc tagtctcaaa ctcttgccct caagcgatcc tccttctca gccttccaaa 360
gtgctgggtg tataggcgtg agccaccaca ctacgcctga aatccttttg aagtignatt 420
atgatgatca ccattttaca gataaggaaa caaaatcaga ganggagtgt gactggccaa 480
ggacacaggc cagacgtggc taagttggga ttgggctcaa ccaggctgga ttcanggnac 540
aacantccaa atggnggnng gttnt. 565

<210> 7204

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7204

ggagtgagaa tcctttaata actatatatta ttccagaga acaataaata cagaaattgc 60
aagcagtata tgtaacagta atattttctt taaatacaga atcacctact ttataacaac 120
ttaacaggca aacatgttat ttgtttgttg ttgtttggaa attagcattg ggaaaagcta 180

tataacagag gaaattccaa gtaaaatcaa acagtgttca ctcttaactc taaacacagt 240
 gctcccacta ctggttctgc attgaggcgg aggggaaggc cagaggcagg cttagcttcg 300
 ggcggcagcg gtctggggct gctcggactg gagctgcttg ccaaggtatt cccagttgtg 360

 caccatgagc ttctgcacgg ccagcagagc attatagcgg acctgctggt cttcatgatg 420
 catgtggtca tgaccagctg cttncaccg agctgctcga tgaccccgtt tgnctcngg 480
 ataatgccgc accatattct tccaacatcg tgagccagca acnggttaaa acttggggac 540
 atctgccctt tccaaagttt ggca 564

<210> 7205

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7205

ccattctcca gggcagtgat tctcaagcta gatacacaac agaatcatct ggaggacttg 60
 ttaaaacaga atgctaagcc ccatacccag tctccaattc tgtggatctg gggcagagtc 120
 cagtaatttg catgtgtgat gccgctgctg ctgctgttct tggaagcaca ccttgagaac 180
 cactgcctgg ggaacagctt agctgctatg agaatctgat tctgtgttca tattccgtat 240
 cacagatagc tcttggcttt tcaattgtgg tttctttttt taatgtctta ctaaggggga 300
 aaaaaaggaa cgccacttta tataaacctg accttttggg aagcctgggt agtaacttcc 360
 catgtggagt aaattaatct ctttcatgca tgcctcgtgc tctggaaaaa gtaaaacaga 420
 ttngttaga catttaccaa gtactttttc tgggtgnggt cactgcccta acctatcaaa 480
 actgggttct acccttaana acttacatgg antaaggngg catccaacaa accagacntg 540
 gagtcatggg ngaggggc 558

<210> 7206

<211> 480

<212> DNA

<213> Homo sapiens

<400> 7206

atgctgaaaa	tattccaagg	nttattgaaa	aaagaaaatt	aatctacaga	ttcanaaaagt	60
tcagttagcc	ccagccaaga	tgaatgcaaa	gaaagtccta	tttaggcnc	tnatgggcag	120
actgctgaaa	atcaaagaga	gagaatgttg	aaagcagctg	gggtgagtgg	ggtgggagga	180
gacaattata	cataggaaaa	caacgctnca	aaagactgca	gacttntcat	agaatcaatg	240
caagtcagca	aacaatggaa	cggcntcgat	ggatctgcca	gtgtcagtcc	canagcggac	300
cccaaaagtg	ttcaggcgtg	gactngcact	gtctgacatt	tccatcgatg	gcctgcatna	360
ngaattggcg	gtgaacatcc	tcttncatnt	ncactggggg	tggaagggtt	gaacctgccc	420
ccccanaagg	aagcccgttn	ccgaatcaaa	tggettaagc	ttgggcnttt	gtggngcctt	480

<210> 7207

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7207

cttttccatt	cagaaataat	acttttggtt	gacttgaatg	tttattggct	aggactctaa	60
ttgaggaaaa	aaatacaaaa	aaaggatgca	aaatatataat	tcctatttag	aaggattttt	120
ttttctagat	ttcctgctac	tgctttactt	tcttgttgct	gaaagaaaat	tattttgtct	180
tcccgtgttc	tatttaaagt	ggagaataaa	aatgccaaat	taatgctatg	tattaatgaa	240
gcagagataa	atcctgtttg	gtaagaaaac	ctaaaggttc	aattccaacc	cagctatcaa	300
atctaaggct	gattttttatt	ggtttttttt	tgctttaaat	gtattcaagc	aatatttggt	360
ctaaaaaaaa	ttttagtagga	ggtagatata	tttgtgaaca	ggttgagctc	tccttacaac	420
gaacagcagc	ttctatcttt	caatgcaatc	tggcagaaag	actagctcat	cacaaagcag	480
aaaaggaatt	cattanttaa	aggtgaagga	ntggccccan	ccnttagccg	aanaaaattg	540
gctggcncng	aaagaccggt					560

<210> 7208

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7208

gagacacagt ttcactctgc tgcccagtct ggagtgcagc gggcaccatc tcagctcact 60
 gcaacctcca cctcctggtt caagtgattc tggcgctca gcctccagag taggaactac 120
 aggcatgtgc caccatgccc ggcttatttt ttgtattttt agcagagacg gggtttcacc 180
 atcttggcca ggctggctct gaactcctga cctcagggtga tccaccacc tcagcctccc 240
 aaagtattga gattgcaggc gtgagccacc gcgcccggcc aaaataataa tatgtttttt 300
 atcctgacaa acatgtacaa tttagtgaac cactttggaa ctagtaccgt gcactttacg 360
 tatacttttag attctgaata tacgaaaatc ctaatattcc agaggagtaa cactggctag 420
 aaagttgcac aatgaaaatt ctatgncatt taacaagttt ttggtatttt taagaacccc 480
 ccaaggttnt agaagccngg tnttgatagc tagggccctg gccttaaggc ccnaggtcta 540
 natagncaag gaaaaatn 558

<210> 7209

<211> 154

<212> DNA

<213> Homo sapiens

<400> 7209

cttttgagat ggagtcttgc tctgcttccc aggctggggt gcagtggcgt gatctcggct 60
 cactgcaata tccaactccc ggattcaagt gattatcttg acttaacctt ctgagtagct 120
 gggncaanag antcgcgoga acccnntagc cnna 154

<210> 7210

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7210

aagccttata tttttaataa aaaataaaca gtctctgaca agcagttttc tgaatcccaa	60
aacaaaggaa aaggaggagg gagaggtgaa ggggtcagct agggtaaagg agtgaagaag	120
gctcagatta cccctgccat tctgccaggg cagaagggat cagagtctgc cccaactgaa	180
gcaagaagaa aggtggtcag acttcaggga agacttcctg ggagtcagcg gtgcacgact	240
ggtaaggga gaggaggga gcagatccct gcatgaccct gggagaagg agtggttggtg	300
tccaaagcgg cagcttcaga gtggagtttc caggagtggc atgttagcat atgattgttt	360
agatgtttgg tgttcattac cataggggtc ctgggacagg caggtttttt agggctctctt	420
gaaacactgn gtttctggan ggtccctgga atggncagaa cttgaaggat cctcttcagg	480
gtcttcaata tcagtgtagg aaccagtctt gggggtagcc cccaccttgt tnaaaagctc	540
atggcttggn aaaaaggag nccctnn	567

<210> 7211

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7211

canatggagt atcactctgt cgcccaggct ggagtgcact ggtgcaatct tggctcactg	60
caacctccgc cttctgggtt caagtattc tctgcctca gcctccacag tanatgggac	120
tactggcatg caccaccatg cctggctgat tttttttttt ttaagtanan aggggggtttc	180
accatgttgg ccaggctggt ctggaactcc caacctcagg ngatccacct gccttggcct	240
cccaaaatgc tgggattaca ggcatgagcc acaccagcc aatggaanag gcnccttttta	300
anaatggaaa aaagtgcctg acatgacttt cactttttcca taaagagtgg acgttttaac	360
taaaggcaac aagaaacnta acatacagga gagaaaaact catnccaaag ggagagagaa	420
aaagaataaa gggggatcct gaaaaantgc tacttttaaaa ggcatntgcn ccctgataaa	480
ggatttgacc ctctaanggg gncagtttt ttttacncta cgtcttttgg gcttacccaa	540

<210> 7212

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7212

```

gctctgtcac caggctggag tgcagtgggtg cgatctcggc tcactgcagt ctccgcctcg 60
cgggttcagg caattctgcc tcacccttct gagtagctgg gactacaggc atgccccacc 120
atgccagct aatttttgta ttttagtag agacgggggtt tcaccatgtt ggccaggatg 180
gtctcgatct ctggaccttg tgatccgcct gcctcggcct cccaaagtgc tgggattaca 240
ggcgtgagcc accacgcca gccaggcact tcaaattttt tgtctctgtg tgtctgcgaa 300
taactgagaa agtgccacag tattgatttg ggggttacia acatatttta gtgagtaggc 360
aaattctcaa atacaaaatc tatgaataag gatcaagtat acgttcattt ggcatittaa 420
gtaccaagn tccctcatta tctgaggagg gcancatag aaacttaatt agacttcttc 480
ttaacattaa aggaattatt tgaaacagga tgntgttgcc cagctggagt atagnngccc 540
gactcggtta atg 553

```

<210> 7213

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7213

```

gcgggaagga ggtaggagtc aagtccaata aataagtgtg aaaatattca gtacatggca 60
tggttattta atacaacaga atttgctctg agttggaagg acaggggttt cagcctatgt 120
gtttatgata caacaaaggg acttttaggc tgataaagtt atggaacatg agacttcagt 180
cttcttatta aatggccaaa tggaccaagt gtttgcatga aagctaactt ttcctttcat 240
gaaaaggaaa ttaaaccac ttgctcccga atgggatgat tttcaggagt cctgagccat 300

```

gttctggcag aaagctgggg tctgtgacca taaagcagga ctgctgtcat ccaggcagat 360
aattattatc aggaacgcct aacattgctt ctttctgcag tttcatgtgc cttgggtgaag 420
atgtaagctt tctgaagact accttgcac agnctttgng ggctactcca tatatgagaa 480
~~atggaanttt aaactagctt taggaanaan atgaaccttt gaaancctgn tt 532~~

<210> 7214

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7214

gagatgttct cctctgttca tccaggctgg agtgcagcgg tgcaatctca gctcactgca 60
acctccacct cctgagttca agcaattctc ccgcctcagc ctcccagta gctgggtcca 120
caggcacgtg ccaccaggcc cagccaattt ttgcattctt aatagagacg gggtttcacc 180
atgttggtca ggctgatctt gaactcctga cctcaggtga tccacttgct tcggcctccc 240
aaagtcctgg gggttacaggc gtgagctacc gtgcctggcc ttaagtatgt gaagtatctt 300
gcacagtgtc tggcacatat gaggtaacaa atatgaccaa gtttgccccg agaattagtg 360
acagggccag gactagagcc caggtctctg gactctatgt cccagacatg attctttgat 420
ctcttggtgg tagcagggtt gcaactagtg tccaaactaa tgcttggtga tgaggacagt 480
ggcttggttg aagtcctan gggaactggc angcacaacc ttncctnagg atcttggnatg 540
gcaaagnttg cttttactga ggccng 566

<210> 7215

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7215

cttgagacag gggctctcact cagtcaccta ggctggggta cagtggcatg ttcacagctt 60

actgtagcct tggcctccca ggctcaagtg atcctcctgc ctcagcctcc caagtgactg 120
 ggattacagg catgagccac catgcctggc taatitttgt atttttcgta gagacgggggt 180
 ctcacatgt tgcccaggct ggttttgaac tcctgggatc aagtgatccg ctcgcctcgc 240
 cteccaaaagt gctgggatta caggagttag ccaactgcgc cacctctgct ttcattttac 300
 ctcattgtgt ctacatagca atcagtataa tcccttaaaa atatagttct aacgtaggaa 360
 cagaaaacca aacactgcat gttctcactt ataagtggga gctgaacgat aagaacacat 420
 ggacacactg tcgggggaac agcacgaact ggggccccct ngggggtgca aggttgaaag 480
 gaanggagaa catnaggaan aatagcttat ggatgctggg gtaanaccta ggngaccggg 540
 ttanctg 547

<210> 7216

<211> 528

<212> DNA

<213> Homo sapiens

<400> 7216

atttttaaat ggcttttagtc aggctgccaa gaggatatac aggtttgatt ctcacataca 60
 taaatgccag tcccaaaaag caactctaac ttgtgcacct ggcttaaaac aaaatgtact 120
 gaaaactttg tatttgtaa ttgggataac ccaccattc aggcctcaat tccctttgga 180
 cttgcacgcg cacttcctac acacagaagt ggcctgttat gcagcaataa tcatagttaa 240
 aagcagcaat tccgtgaagg ctccacagag aaatcgcggt tgcatattca acaagtttcc 300
 tcaaagtaag cgtctttcga ttaaatgaaa tcacaattcc agcttcttat ccacagaaaa 360
 cagcattcac tatgtaactt actgcttttt ataagtgcac aatttctgnc acagttaccc 420
 acatatttat accatttaac aatactaagg taaataatgg atttatgggt tggttcanga 480
 accctggnga ccttgntggg cnnggnttta caagtttggg attttgng 528

<210> 7217

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7217

ggagacaagc tctcggctcg tcgcctaggc tggagtgcag tgggtgtctaa gtgctttttt	60
gaagcaagag tttaatccct tattgctaaa ttgtagattt ttatttttat ttttgggtgt	120
atatgtggac tctaaaaatt atatgttctc tcttttttca ggttttcttt gtggcctaag	180
ttatagttag tttttacaag ttaagaaaat aatatgaatt atttatttga aggggtgctgt	240
taaatatcca ttaatcattt ttgtattcga tttaattaaa gcctctatat cttttattta	300
ctttttcatc tgcttgcttt attgaagtcc aagggtgggt gtgagtttat taagttactt	360
ttctccaacg ttttacacaa ttatatttgc acaaactttg ctctttaatc actgggccac	420
ccaagagtag cacananggt gctctttcaa ggctctcttg ggcagaagga aaatcttcca	480
ccccaataaa tcttgnntcc cgttgnnggg gggggagctt atctgccaaa ggggggtggc	540
aattttttcc cccgnggg	558

<210> 7218

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7218

gagacggagt ctctctctgt caccagggt ggagtgcagt ggcacaatct cggtcactg	60
caacttctgc cccccacccg ccggattcaa gcgattctcc tgctcagcc tcctaagtag	120
ctgggattat aggcgtgtac caccacaccc agctaatttt tgtattttta gtagagatgg	180
gggtttcacc atgttggcca ggctggtctc gaactcctga cctcgtgatc tgcccacctg	240
gggctcccaa agtgctggga ttacaggcgt gagccaccgc gcccggccgc atgtataatt	300
tcttaaccaa actggaaaac agcactgaca ttattgggtg gtcattttt ttcattgtgc	360
actgatgaag tttgaatgtt ttgccctaac cccaccttc ccatgagtcc tctggnnttg	420
ngtgattttg ctaacttggn gatttttagg aatgaatatg tcaagtata gtaacnctaa	480
tgggatgaac aattncaaa tttcanttct atccaaatat ttntttggaa naagggaccc	540

ttttt

545

<210> 7219

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7219

gcagggggag ggggatggtg aggtagggga ggtgatgaat ttaactgtac tgaaaatggt 60
 acaaggaaat caaactgcag aaaaaaacag ttccacatit agttacattt tagttttggg 120
 ttttccccag acattgcagg ccaaattaga gttaagatga ggaaatcctt tcagtcctca 180
 cagaccagac ttggctttat aaaacataat caagtcccac tataaacct aggtgttagg 240
 aagcaactag agttttcaag gtagatctgg gcaacacgca gacacctcca tttctgaggc 300
 tgaaggaaac atgcaccagt gctaactgcc acgcatatga aaaatgtgaa ctcttagcac 360
 ggtgacagta gctgtatgct gaataccatt taatttaata agcatttggt tgttgaatac 420
 cttatgcatt caaataacag agcacttctn atcaacaatg cttcagccta ccaggattct 480
 gaaaaggagt cccaatagc tcaattttac ctttggnant ttctgctnaa aaataaaagt 540
 gaanccnccc ctn 553

<210> 7220

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7220

gagacggagt ctgcctctgt caccagggt ggagtgcagt ggcgcatct cggtcattg 60
 caagctccgc ctcccggtt cagccattc tctgcctca gcctccanag tagctgggac 120
 tacaggcacc caccaccag cccggctaatt gttttgtatt tttagtanag atggggtatc 180
 actnggttag ccaggatgat ctgcacctcc tgacctgtg atccgcctgc ttcggcctcc 240

caaagngctg ggattacagg cgtgagccac cgcgcccggc cctatTTTTT gaaatcatat 300
 ccatcttaaa ctcatagaat attcaaatat gaggccttga aaaccacag cacagctggg 360
 gcatgaaaat gggccttgta gacaagctga ttcaactagg ggggaaaaaa gaggaggga 420
~~gaaagcgga atttatatgt gtgaaatnca caactggga tcaagnttan ctgtttgga 480~~
 atntccagc tcattgggag tntttgaant ccagaaaact tgggctttta aagatggggg 540
 ga 542

<210> 7221

<211> 444

<212> DNA

<213> Homo sapiens

<400> 7221

ctttgagac tgagtcttgc tctgtcgccc aggctggagt gcagtggcac gatcctggct 60
 cactgcacac tctgnctccc aggttcacgc cgttctccag cctcagcctn tggggtagct 120
 gggaccacag gcgcgcacca ccatgtccag ctatTTTTT gnatttttag tanagacgga 180
 gggaaggttt caccngtta gccaggatgg nctcgatctc ctgacctcgn ganccgcctg 240
 ccttggcctc ccaaagtgtt gggaccacag gngtgagcca ccacgccag cctaaatgtg 300
 actcaatgnt aaattagttt gcatttttag ctgggtgcaa tggcttatgc ctgtaatccc 360
 ancactgtgg gaaggccan gaaagcgga tcacttgagc ccagganttn aanaccaacc 420
 tgggcaacct angggaaact tngc 444

<210> 7222

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7222

gaaatggaat ctgcctctgt caccagggt gaagtgcagt gtcacattct gactctactt 60

agcctctgtt ctcaccagac tctctgattt catgttggtg gagaattctg gatgaatatt 120
 tcagttcctg attattgcct gcattgtcag actgattttt ttctacaagt agggtttgca 180
 gaaactggat ggtcatgatt aaagcccatg aatggaaagt aacaatgaca taaaaagctt 240
~~tctctgtatt catTTTTTaa atgctgagtt tcccccaatt ttagttatat acagttctga 300~~
 agtatcacat acattctgat aaagaacatg taagatctaa ccactatcag tatttaggga 360
 aagaacatca gattactgaa acaagacagc cagtgccttg ttaaagcaga tatgaaagca 420
 atgtctgagc acttagaggc aaacaataga atccagtttc atcatattaa ttaagccaaa 480
 tcctatttat taagagatat taaggggtct canaatcttc aggaggggcc anggtaagtt 540
 acctgcca 549

<210> 7223

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7223

aacatatcaa aatgacagca ctttatttct ttttttgaga tggagtctcg ctctgttgcc 60
 caggctggag tgcagnggca tgatctcagc tcactgcaac ttccgcctcc tgggttcaag 120
 ngattctcct acctcagcct cccgaatagc tgggcttaca ggcatgcacc accatgcccg 180
 gctcattttt gtatttttag tanagacaga atttcacat gttggccagg ctggtttcaa 240
 actcctgac tcaaatagac tgcctgcctt ggccctccaa agngctggga ttataggcgt 300
 gagccaccac gccagccga cagcacttta ttttgatgaa ttctttggtg tcggataagg 360
 ngtgtacttt gntctaaatct tccccacat tcaagacatt tgtaaggctt tccccagtg 420
 ngaattctct ggggnntaat gagggtttgc actctgattg aaacgtttcc cacaaacngg 480
 acatcctaag ggnttttccc cangggggat ttingggggg ttaaaaaggc caaccc 536

<210> 7224

<211> 131

<212> DNA

<213> Homo sapiens

<400> 7224

gagatggagt ctcactctgt caccaggt ggggtgcagt ggtgcgatct cagctcactg	60
caagctctgc ctcctgggtt tatgccattc tcctgtttca gcttcccag tagctgagnc	120
nnnagantnn c	131

<210> 7225

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7225

gagacagagt ttcactcttg ttgcccaggc tggagtacag tggcgtgatc tcggctcacc	60
acaacctccg cctcccaggt tcaagtatt ctcctgcctc agcctcccga gtagctggaa	120
ttacaggcat gtgccgccac gtccggctaa cttttgtatt ttagtagag atggggtttc	180
tccatgttgg tcaggctggt catgaactct tgacctcagg tgaaccgcct gccttggcct	240
cccaaagtgc tgggattaca ggcgggagcc actgcgcctg gccagttacc tacttcttag	300
agtagtggt aagaatactt aaactatcac acttcaccag ctacaacag ggccaggcac	360
atgggaagca atcagttggt atcagtattt actatgactg atgccaccgc catgtcacca	420
gtcaatggcc ttccttcct cctccaggat ttactaacat acatgtttaa tggggtaacc	480
nttcttaagg ttccatggt aaacctttt ctaggaagga aaactggagt taacattgaa	540
aactggggnn cn	552

<210> 7226

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7226

gagaaaggg	ctctcgctct	gttgcccagg	ctggagtga	gtggcgtgat	ctcagctcac	60
tgcaacctct	gcctccagg	ttcaagagat	tctcccacct	tagcctcctt	agctgggacc	120
aeaggeacct	gccaccacag	ccggctaatt	tttctatitt	ttgtagagat	ggagtttcac	180
catgttgccc	aggggtggcct	cgaactcctg	acctcaagg	atccgcccac	ctcagtttct	240
caaagtgctg	ggattacaag	tgtaagccac	tgctccacat	ttaactccaa	tgatgctgag	300
cacaaccag	cactctaatt	acaaaaattt	gttttggtat	aactgaacat	tccctttcta	360
ttttagactt	tcttggtga	acatctctct	ccccagccc	tattcatttt	catcaccatc	420
agatntaaga	aaacncgaga	tcttataaag	ncaattttta	aaaccaggac	catggttgnt	480
aattcangga	aatgngaatt	tggaatccct	atactcaggc	tgnggcaatc	aancganttc	540
tgggtac						547

<210> 7227

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7227

gcgacggagt	ttcgctcttg	ttgtccaggc	tggagtgcaa	tggcacaatc	acagctcacc	60
acaaccgccg	cctccctggt	tcaagcaatt	ctcctgcctc	agcctcctga	gtagctggga	120
ttataggcat	gtgccaccac	acccagctaa	ttttgtatit	ttagtagaga	tggggtttct	180
ccatgtcggt	caggctggtc	tttaactccc	aacctcagg	gatccgccc	cttcggcctc	240
tcaaagtgt	gggattccag	gcgtgagcca	ccgcgcccgg	ccgggaaatc	caattttacg	300
tgaatcctac	attacagtac	taccttaaga	gcggcgtgga	gggcatcgtc	tcagctcaac	360
tacaccagat	gcctgaaagg	gtgacgccaa	ggccccctnt	gcttttgga	cttgacaagg	420
tccaatggca	cctgcaaacc	tgagtggcct	ngcctggggg	gaatttgctg	aactgaagg	480
gggaatggct	anaataactg	ntttactgat	gggactccgg	cttcctttan	gggacatccc	540
caactgaatt	tgg					553

<210> 7228

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7228

```

gagcatgttc aaagacagaa gtgtaggcct gtgggctttg gcactcaagt ctgagtatgg 60
tgagccaaaa attgacgtat gcttgaggac tgagtgggga ctcttaaag ctgttctgtg 120
ggaaaatctt ctagaaggta gagttcatga aatttccaaa tatctcaatg ttacaaaaac 180
tcaaaatggg ggccatagtc ataaagtatg gcctccagtg gatgagtgga cgcgtggagt 240
tagaaataag gaaggatatc atttatttta ttttacgatt ttttttgag acagagtctt 300
actctgttgc ccaggctgga gtgcagtggg gtgatctcgg cttactgcaa cctctgcctc 360
ccgtatccaa gcaatttgtc ctgcctcaac ctcccagata gctgggatta caggcgccccg 420
ccatcaagct cagctaattt tgnattttta tagagatgic gtttcacat gttggccagc 480
taaaaatncc aaaaattaac tgggcatggg ggtgcaccct ggaatcttng gcccctggga 540
agcttaaccc ggaaattctt tgancccgga 570
    
```

<210> 7229

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7229

```

gtgcatcaga ctttaattct tgcaatggaa actgntcttt cagatttcct tttagatcag 60
agtttcccaa ttcagttttg ttatctgtat tttcatattt tctttcttgc ttgaccaatt 120
cttctgaaca tcgttttttt gctaggtttt catttttttc ttccatttta aaatctgcc 180
gaattgtttg gcttgatata gattctttta actttacttg tattgattct tttaatatag 240
tctgtctatc tacattttct ttcatatttg attcctcaac tagccaaagg agaacatctt 300
cctgcttctt tgaattttca tccactagat ttttgctat atcaccetta tcatttgaaa 360
    
```

tatcttcaag acttaaagt ttgttattat atccgctctt cttaaatgca ctacttatta 420
 ttagctgggt gcttgcactt tctcttaata ttatcttttc cttgcttatt agttggctct 480
 ctttctgggt tccaaanac cttttttctt caaatccctt nctctccttt tctttnenct 540
 tcttttngct ttttccccct cttaaaacc 569

<210> 7230

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7230

gagactgatt ttcactcttg ttgcccaggc tgaagtgcaa tggcacgac ttggctcacg 60
 gcagcctccg cctcctgggt tcaagcaatt ctctgactc agcctcccca gtagctggga 120
 ttacaggcgc cgcaccacat gccagctaa ttctttgtat ttttagtaga gacagggttt 180
 caccatgttg gtcagactag tctcaaactc ctgacttcag gtgatccacc cgccctggcc 240
 tcccaaagt ctgggattac aggcatgagc caccacgccc ggcccatttt agccattttt 300
 aagtgcacat tcagtagtgc taggtatatt cgcattgttg tgaaaaagat ctcccaatgn 360
 tttcatctgg caaaacaaac tctgtacca ttagacagct cccatttctg ccttcccaca 420
 agcaaccacc attctactgg ttctatttat ggaccccata ttagtagaat catatagnat 480
 ttttcnttg gaactgggct tatttcactt aacataangg tcttaanggt catctatgnt 540
 ggggcatatn ggangaattc cttccttttt aaa 573

<210> 7231

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7231

atcaatacaa agtcattttt atttttaaat tagcaataaa ataatacaagt ttacatcaat 60

ttatcaagtt aattgtcaca atcccagggtg tgggtgcagt ggctggggta aaacattttg 120
 ctgtatcttt catgatgttc ctgatttctc tctttttttt ttttcttttt gagacagggt 180
 ctactctgt tgcccaggct ggagtgcagt ggtacgatct cagctcgtg caaccctgc 240

 eteeegggt caagcgattc tcccacctca gcctcctgag tagctgggat tacaggcatg 300
 tgccaccacg cctggctaatt ttttgtattt ttagtagaga tgggggtttc accatgttgg 360
 ctaggctggt ctggaactcc tgacctcagg tcatccaccc gcctcagcct ccctaagtgc 420
 tgtgattaca agcgtgttcc tggctctttt gnacttgcga tataactggg aactctgcct 480
 tantcctgag caaggttttc tatcangncc ccangccact taattaccgg gttggagaat 540
 ttacctncaa aatatgcccc anggaacact ttc 573

<210> 7232

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7232

cttttttttt ttttttctga gacacgttct cactctgtca cccaggctgg agtgcagcgc 60
 catgacctca gctcacagta gcctcaacct ccttggctca agcaatctca cccatttcag 120
 cctccanagt agctgggacc acaggcatgg gccaacacac ctggctattt tttttttttt 180
 tttttttttt ttttgtaaan atggggctctn tntgttacc aggctcctaa cncattttta 240
 aaaagataac aatntttgac aatatatcat taactgccac atgaaaggcc ttgataaatg 300
 ctatggtcan aaggaaaaga cncatttttag ctanaatgat cagaaaatca nagccaanat 360
 gggcatgggg atanagnggg aatgttagct atgccagtaa taagaaagaa tatntgcata 420
 aactggaaat aggaaaggga ggagaaagg gcaggataaa aggctggcaa gcaaaggnaa 480
 attccaagga tagggattag gctaattctca gaaaaacctt tgaagaaaat tгнаaccctt 540
 tttttccaca aaacntttna aaaccttcg naaag 575

<210> 7233

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7233

```

cttttgagat ggagtttcgc tatttcactc aggctggagt ggagtgaagt ggcgtgatct 60
ctgctcactg caacctgtac ttcccgcatt caagcaattc tcctgcctca gcctcccaag 120
tagctgggat tacagggtgcc caccaccacg ctaggcaaat tttgtathtt tagtagagat 180
ggggtttcac catgttggcc aggctggtct caaactcctg acctcaggtg atcctcttgg 240
acacctcagc ctcccagagt gctaggatta caggcgtaag ccactgtgcc tcgcaacatt 300
tttcttctta atgttcgtag gaggctaaaa agacaggga atctttcctt taacacgttc 360
ttttaagctt ttatttgtgc atgctgagca atgtagcctg taactattct gtggctacac 420
tgcaaaagct ttcttctgac attaactctc agttccgtaa ctgcatgtta agcatacccc 480
tacctgggaa atatctcttc tgggggaaaa tccatngtga cagcattaga accccgaccg 540
gatanaaggn ctgtggaatt cgaatt 566

```

<210> 7234

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7234

```

gagattgagt ctactctgt caccaggct ggagtgcagt ggcgcgatct cagctcactg 60
taagctctgc ctctgggtg cagccattc tcctgcctca gcctcccaag tagctgggac 120
tacaggcacc cgccaccaca cctggcta at tttttttgca ctttttagtag agacgggggtt 180
tactgngtt agccaggatg gtctcgatct cctgacctg tgatccacct gccttggcct 240
cccaaagtgc tggggattag aggctgagc caccgcgcc ggcgacagtg atttctttga 300
ggctagccat tggctctttc acttctgcat ttccagcagt tagtttgggt tgacagcatc 360
cagcacagga taggtgctaa agggaaattt gncatggata ggaagggatg ctccaatttg 420
gcttctgaga accaggaatc agaaacangn gctcttcggt ggctgngcta acataaattc 480

```

aangaatggc agggattcac aagccnaatt gggtgggaca tccngccata tggcntggaa 540
ttggttttta aaaaatatca 560

<210> 7235

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7235

aataacctgc aagagctgcc tgtatattagc aatttgttct tcatcatcct tctgactttt 60
ctttgttttc ccatcttctt ctacattgac tccatcatca ccttgtagct cctcttctgt 120
ctcctcttca tcttcactag aggaagctaa gtaggcttga aaatccatgt ccaaaagctc 180
ttccttttta aacttcctgt tgagcattgt aattctttca tgatcagact catcccaagt 240
gatttcacc gttgatgttc ccattgcagc agaagtgaag tattttgggt tatatgctgt 300
taaattcact tctgaggcta catccttagg ctcatcatca aaagtaatat catctggat 360
aaaccttaga tctatgaaag aacaactact ttcaaattcc aggccatcac aatcctcata 420
aattttacta gctggttccg gagaatcaca gnctactact gnataatagt actttaagnc 480
gtttgaattg gtaatctctc aatttttctc ttaacgtcca gtcttttctn gggeatntta 540
ggaaacctaa aagctctact ggggcctg 568

<210> 7236

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7236

aacaattgag aaactactta aagtgaacct aaaatgggtg gagcctgaag tgcttgctgg 60
gcagcagaca agctttgccg gccttggtgt ctacgtggaa atgcagcatc cgagccatcc 120
tctcttcccc cgccttggtg tcagctctaa atagcacact cacagcgcg ggggaaaata 180

tttttccctg tttcaagtgg gcagtgggaag tagtgaaagc ctaagtaaac tctgaccatt 240
 agataatggg ccattataac tctggatgac ttctgaagg accctgaaaa atgacttctc 300
 atttcctgcc tgcagaaaag agaaatatta ggatagtgtt gtgtgcaaaa aaatgcaagc 360

 ttgcaatgag agatgcagag tgtgagggag agaggcacga agggggtgga gaaaaaagac 420
 agagaatttg aggttgactc acggctttga agggaaaaca ggaagangaa gaaagtctgt 480
 ctncatggg tggcaaccc acactttaca cattttttcc atggggcttg ccncttgccg 540
 cccatnaca cttgggcttg ccnc 564

<210> 7237

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7237

caggggggac acgggtctta ttctgtcacc caggctggag ttcagtggta tgatcactgc 60
 acctcccagg ctccaggtgat cctccacct cagcctcccg gtagctggg actacaggtg 120
 tgtgctgcca tcctcggtta atcttttgtt ttctgtttcc tttttttttt tttttttttt 180
 tttganatgg agttttgctc ttgttgccca ggctggagtg cagtggcgtg gtctcggtc 240
 actgcaatct ccacctcctg ggttcaagcg attctcctgc ccagcctcc caagtagctg 300
 ggattacagg tgcctgccac cagccccagc taattttttg natttttagt ananatgggt 360
 ttcaccatct tggccaggct ggctcgactc ctgacctcat gatccgcccg cttggcctcc 420
 aaagcgctgg ggattacagg tgtnaaccac tnggcccaac catttttgaa ttttttttga 480
 nacagctntt ggtccgttgc ccaacttgaa tccanggggc aaatttaant tactggaanc 540
 ttgcctctgg n 551

<210> 7238

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7238

gagacggagt ctcgctctgt caccaggct ggagtacaat ggcgcgatct ccgccacta	60
caagctccgt ctctgggtt cagccattc tctgcctca gcctctcaag tagctgggac	120
tacaggcacc cgccactacg cccagctaata tttttttttt tttttttttt tganatggag	180
tcttgctntg tcgcccaggc tggagcaaca aaaataaact taattcctct tggncaccca	240
gttaccaate tgnacctntn tcacctcag ttctcaattc tnttccaaag atttgcata	300
aagttgatat ctggttatgc tctgatctac cagtcttgn aatactagtgt gtgagaaaga	360
aacctgcctg ccacaatttg cttaccaact atttgaacat aacacctct atattagccc	420
taagaaattc tcaactaagt catgtgacaa gaattcctct atttgaacaa tnattccaaa	480
ccaggatttc actgggntca attttcaggg gtttancct ttgnttaagc cccaggaag	540
ttttnaaaaa n	551

<210> 7239

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7239

aatcataaaa gagttagatt ttgtcaaata cttttcttat atcagctgaa ataatacatgt	60
ggttttcttt ctcttcattc tgtaaatgcg gtgtattaca ctgattttct tatgttgaac	120
tacccttgca ttcctgtaat aaatcttgct ttgtcatact gtataatact tttaatattc	180
tgttacattg agtttgccat tattttattg agaatttttt acatttacag tcataatggaa	240
atattgcttt ttttttttct tgtggtgtct ttaggttagct ttggtataca tgtaataatt	300
gctccataga atgagttaaa aagtgttcc ttttagggaa gaaaactttt ttaaaaagga	360
ggtttgggtg tcattattct ttctattttt ttttaacaga gtttgctctt ggtgcccacc	420
tggaatgcaa tggcccacac tcagctcact gnacctcggc ttccggatca agcaatctcc	480
ggcttaanct ccaggacctg gatacaagca tgcgccacca tgccggctaa ttttttggat	540
tta	543

<210> 7240

<211> 581

<212> DNA

<213> Homo sapiens

<400> 7240

```

ccaagacaga gtctcactct gtcgcccagg ctggagtgca gtggtgagct cagctcactg   60
caacctctgc ctcccgggtt taagcaactc tctgcctca gcctcccaag tggctgggat  120
tacaggcatg tgctaccaca cctggctaata ttttgtattg ttagtagaga tgggggtttca  180
ccatgttgct caggctggct tcgaactcct ggccctcagg gacccgcccc ccttagcctc  240
ccaaagtgtt gggattacag gcatgagcca ccacgcctgg cctttgtttc gttttttgtt  300
tgtttgtttg tttttgagac acagtttcac tctgtcacc aggctggagt gtagtggttc  360
aatctcaagc ttaatgcaaa ctccacctnc tgggttcaag tgattcttgn gcctcancct  420
nttcgaagta gctgagatta caggaagtgg taccaccaatg cccggnttaa ttttttggan  480
tattaagtaa gaagacnggg ctttcaccca tggtttgccc ggggttgggc ttnaaacttc  540
ctggagcttn aagtggatcc ancccatntt ggggctttcc a                    581

```

<210> 7241

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7241

```

gagacgaagt ttcattcttg ttgcccaggc tgcagtacaa tgggtggaatc tcggctcaac   60
acaacctctt acctcccggg ttcaagtgat tttcttgcc cagcctcctg agtagctggg  120
attataagca tgcaccacca caccggctaa tattttgtat tttcagtaga gacagggttt  180
ctccatgttg gtcaggctgg tctcgaactc ctgacctcag gtgatccgcc ccgcctcagc  240
ctcccgaagt gctcggatta caggcgtgag ccaccacgcc cggccaaggt ttccattttc  300

```

tgtgctactc caaaatcctc tcccttgcac gtcattggaat gcagccagcc taacttccta 360
aactcaaaaa catccattg aaattcctgg tactcaaggc tcctgctccc acggtaggac 420
aagcttcagg ctcccccaag tgcantgtgg gccaggagct cgaactattc ctgngttggc 480
~~ctgggtcaag ctggtgaagt ctgattcttt ctgctagaa gcaggaaaaa ggggggcaag 540~~
tttgaaatgg nactatgggt nctggaagcc 570

<210> 7242

<211> 433

<212> DNA

<213> Homo sapiens

<400> 7242

gggacagagt ctcactttgt agtacaggct ggaatgcaat ggtgcgatct cggctaactg 60
caacctccac ctcccagggt caagcgattc tcgtgcctca gcctccctag aagctgtgat 120
cacaggcgcc cgccaccaca cctggctttt ttttttttt gagacagagt ctcattctgt 180
cgcccaggct ggggtgcagt ggcgcgatct cggctcactg ccagctctgc ctcccgggtt 240
caggccattc tcctgcctca gcctcctgag tagccgccc gctgatttgt ttttttttt 300
ttttgnagtt ttagtagana tggggcctca ccatgttagc ctagttttgn atttttttt 360
agtaaaaaat ggagtttcac catgttgcc anactggctt gaactcctga cctnaagnga 420
tctgnccgnc tna 433

<210> 7243

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7243

cttagcaaat attttattaa tacacactgt catagtccca ggatagaaga gtcctcagaa 60
cactgctcca cattgaagat gctgaaatgg gtggtcaggc ccttagtctt ccttctagtc 120

tgtaaacc	acactcctt	aacagaacca	tgcttgctgc	ccttaccctg	tccacatccc	180
tgaaggaaa	cgggtctctc	tcagccagat	gcagatagtt	gacactcact	gcctttgcta	240
tggcaggggg	ctccttatga	ttaaccaga	acaggaaaaa	cttagtgtca	gctgaccgaa	300
aggaactcag	ccttaatttt	tcaaaaagtc	actctcattc	cagctatctc	caggaaggcg	360
ctggagtatc	ttcagcatga	gcacagagat	tcccactgcc	gaaatattcg	gaatactttc	420
cttgatttct	cagagagact	catggagtcc	gtttcancctg	gctggctaga	ctggttgtgc	480
cccaaganga	tggtcaacac	tggttttcaa	cctggctctg	ctggggccct	ggcatctggg	540
tcanttcccc	attctcc					557

<210> 7244

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7244

ggagatggag	tttcgctctt	gttggcaggc	tgagtgcta	tggtgagatc	ctggctcact	60
gcaacctccg	tctcctaggt	tcaagcgatt	ctcctgcctg	aggcttcccg	agtagctggg	120
attacaggca	tgcgccgcca	cgcctggcta	atittgtatt	tttagtagag	acagggtttc	180
tccatgttgg	tcaggctggg	ctcgaactcc	cgacctcagg	tatctgccag	cctcggcctc	240
ccaaagtgt	gggattacag	gtgtgagcta	ccatgcctgg	cccaaagacc	tcttctttag	300
tttcattctt	atttaaaata	atatgacgac	gagcaagaat	cctgtttcca	gcttaacagg	360
cattaggaga	gaaaaaagat	naactaaaca	ggactggagg	ctgactaact	ggggggtagg	420
caggaaggag	aatttcaact	gtcagaataa	gaagggaata	gctngaaggc	agacaaccgg	480
accacctgga	aatgacccaa	tgctnttanc	cagggaacta	acttccatca	tggattttaa	540
agccccccaga	aatac					555

<210> 7245

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7245

aaaaa	caaaa	aatggattgc	caacctcccc	taccatagag	tgtctaactc	agaagcatga	60
actggcgtgg	catatgcctg	ttgcctatgt	atagtttctc	agtataaagc	ttttctgaat		120
tgtcagattc	tgtggacatt	tggaggctag	gaggtaagat	tccaaaacca	gcatgtcaac		180
caaagccaat	aataaggcct	ctcaaatacc	taccacatat	ctgaagagaa	acttttaaca		240
gttttcacta	tatatattaa	acaaaaagtc	agaagagtaa	aaaagtccca	ttttaaactg		300
tatatatacc	atcttaattc	ttgtgttgga	ctatagtaaa	taacaaaatc	angncagggtg		360
cagtggctca	cgcctgtaat	cccagcactt	tgggaggccg	aggcggcaga	tcacgaggtc		420
aggagatcaa	gaccatnctg	gcgaacacng	gggaaacccc	gtccctacta	aaaatncnna		480
agattggccc	ggnggtggng	g					501

<210> 7246

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7246

atgaagaaaa	gaggtttaat	taactcacag	ttctgcaggc	tgtacaggaa	gcatggctgc	60
gaggcctcaa	gaaacttaca	gtcatggcag	aagggcgaag	ggaaagcaag	caccttcttc	120
acatggcaga	gggagagagc	aagcaaaggg	ggaagtgcta	cacacttaac	cagatctcat	180
gagaactcac	tgtcatgaga	acagcaaggg	ggaaatctgc	ccccatgac	caatcacctc	240
ccaccaggct	ctacctcaa	gactcaggat	cacaattcaa	catgagattt	gggtgggggg	300
acacagccaa	accatatacat	tccaccctgg	cccctcccaa	atctcatgtc	ctcacatttc	360
aaaacacaat	catgccttcc	caatagcccc	ctaaagtctt	aactcattcc	agcattaact	420
caaagtcca	agtcaagtct	catctgagac	cagccaagtc	ccttccttct	gtgagcctgt	480
aaaatcaaaa	accagtcagn	tatttncaag	atccaatggg	ggatcnngca	ttgggtaaat	540
gtccccattc	caaataggag	aan				563

<210> 7247

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7247

```

gacagagttt cgctctttgt tgcccaggct ggcgtgcagt ggcacaatct cagctcactg   60
caacttccgc ctcttggtt caagcaattc tcctgtctca gcatcccgag tagctgggat  120
tacaaacacc caccatcacg cctggctaata ttttgtattt ttagtagaga cgggggtttca  180
ccatgttggc caggctggc tcgaactcct gacctcgtga tccgcctgcc ccggcctccc  240
aaagtgtgg gattacaagc gtgagccacc acaccagca ataataggta acttctaaga  300
cccatagcca gtaagacgcc cagctaggat gtgaactcca gtcctgtctg agaacacctc  360
tcccactccc ctggattgcc ttgatgcctt gagtcaggac ctcaggagtg cagcctctg  420
gaaagtcctt agcacaggca agctgtgccc cgaagtggat gcagtcattc tgggaatacc  480
gggaaaagtg ggaatgcaag ggaacatnca catttaangg gtangtggan aaacgggaag  540
gaacccgaac cagcccggaa ggtagg                                     566
    
```

<210> 7248

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7248

```

gananagggt ctcactccct gngcccaggc tggagtgcag nggcatgatc ttggctcact   60
gcagcctcaa cctcccgaag ctcaggngat tctcctacct cagcctcctg agtagctggg  120
aatacaggcg tgtgccgtca tcctgggnga ttttgtattt tttgtanan acggggtttc  180
accatgttgc ccaggctggc ctggaactcc tgggctcaag ngattcaccc gcctcagcct  240
tctgaagtgc tggcattaca ggcatgagcc atggngccag ccccaaattt tctcttctta  300
    
```

ttaggacact attcanattg tattagggct catgccaatg gcttcattta ctctaaatta 360
 cctctttaaa gcccttatct cctaataat ccacattctg cagtactgga gggtagggct 420
 tcaacataca catttttggga gaacacaatt taccataa caaccagnca atnccagta 480

 accaaaaaaaa anncttgaa ttgagggaa actcaaagng gttgggaaga aactnttggg 540
 ggcnc 545

<210> 7249

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7249

gagacggagt ctgctctgt caccaggct ggagtgcagt ggcgcatct cggtcactg 60
 caggctctgc cccccgggt tcacgccatt ctctgcctc agtctccga gtaggtggga 120
 ctacaggcgc ccaccacat gcctggctaa tttttgtat ttttagcagt gacggggctt 180
 ccccggtgta gccaggatgg tctgatctc ctgacctgt gatctgccg cctcggcctc 240
 ccaaagtgt gggattacag gcataagcca ctgcgccgg cctagttttt aatttttaa 300
 gctataattc acataacat aatattcact ctttaaagt acacaatcca gtgttttttg 360
 ctatattcac aaaattgtac aatcatcacc attatctaag ttctggaata tttcatcac 420
 tccaaaaaga aatccatac ccattagctg ncatttcta ttatcttcc cttaaaattc 480
 tnggaaccnc tnatctatat tggggttaaa ganctggctt aactggaant ttacatgaat 540
 gggataatcc agaagnggtt t 561

<210> 7250

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7250

ctagcagatt tctagcagta tcttctgtca ctggagattg cgctgcattt ttaagagcct 60
 ttctctggag gctctcaagg acttctgatg cctctcagc actcatagca ttccttaaca 120
 catcactcaa gagtctacat gatttggccc caagatactt ttcaaagttc atttctcagt 180
~~tcataatage ccccatcaaa ttactcatgt tattgtactc tgtttccacc ccttccattt~~ 240
 tttttcttat gtttatgcct ttcttttgg ttctgtctcc tgccttgatc tacacccatc 300
 tgattttcta aactgtatga agtgtctagt agagtgcctg ggacatagca attgctctat 360
 acgtggcaga tgttattatc tgaggttcct aagtggatca acccaaggta tgttctttat 420
 ttnnntattn ntttattttt tgggatggaa tctcattcca ttgccagct ggantgcant 480
 gtgcaatggt gaaatcttag ttactggaac ctcggctcct ggggtcaagg gatnctggga 540
 ctacagggcc cccacntgc 560

<210> 7251

<211> 487

<212> DNA

<213> Homo sapiens

<400> 7251

gagacagggt ctcgctctgt taccaggt ggggtgaagt ggcatgatca tggctcactg 60
 caaccttgac ctctcaggct caagtgatcc tcccacctca gcctcccaag tagctgggac 120
 tacaggcaca caccaacaca cctggctaatt ttttaaattt tttttagag acagggtctc 180
 actatattgc cttaaactgat cttgatctcc tggactcaag cgatcctccc accttggcct 240
 cccaaagtgc tgggattaca ggtgtaaacc gccgtgccca gcaattttta attttttgta 300
 gagatgggat ctccctttgt ttgttgccca agctgggtctc aaactcctgg gctcaagcga 360
 tcctcctgcg tcagccttcc aaagtgagat tacnggtaga aaccncttaa aaacaatttt 420
 ttatcttcag cttttaangg gnacatatgc nggatgtgca aggttggtac atangnaaaa 480
 ggtgtgg 487

<210> 7252

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7252

```

gagacagggt ctctctctgt tgcccagact gaagtacacc ggcatgatca tagctcactg   60
cagcctcaaa ttcccggctt caagtgatcc tctcaactcg gcatcccaaa gtgctggaat  120
tacaggtgtg agtcattgta cctggccagt caaccattgc ttaaagcgaa atatttctct  180
acattgctca tatatagttc acaaatttaa agcaatactt tcaaagttaa actaatgcaa  240
aatatgaaaa aaatgttttc attagtgaga tgcataagaa gataccactt tatacccatt  300
aggatgacta ttattaaaaa agacagtgtt ggcaaggaca tgaagaaaat ggaaccctta  360
cacattgatg gtggaaacaa aaatagtata gctactgttg aagacagtca ggcggtcctc  420
aaaatattaa acacagaatt attttatgac ccagcaattc ccttctaaga tccccaaag  480
aactggaagc ggaaatgcaa catatctggc attagggatca tagcagtatc ccatagnenc  540
aaggngtaac tcaaac                                     556

```

<210> 7253

<211> 495

<212> DNA

<213> Homo sapiens

<400> 7253

```

gagacagagt ctcactntgt caccagggt ggagtacagg ggcatgatct cggctcattg   60
caacctntgc ctcccgggtt caagnattc tcctgcctca gcctcccag tagnggggat  120
tacaggcgcc caccaccag tccggctgat gtttgtatit ttagtanaga cggagtittcg  180
ccatgtcggc ggggctgata ttgaactcct gacctcaggt caggatccac ccgcctcggc  240
ttcccaaagn gctgggatta caagcgtgag cactgcgcc tggcccaaac atcttttatt  300
ttgaaaaggt aaaattggaa aaaagttgct tggtgggacc gcccgcgag cgaaggcna  360
acccgcgctg gccctgcgt ctggggccnc natgctgacc cccgggggtc aacctnaacc  420
aggancccg atttctgaca ttggcatccg nnggcctatg ccccggttc gagttcaacg  480

```

gntaacttna ggggn

495

<210> 7254

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7254

agacggagtc ttgctctgtt gccaggctgg agtgcaagtg gcgtgatctc agctcactgc 60
 aacctctgtc tcccaggttc aagtgattcc cctgcctcag cctcccgagt agctgggact 120
 acaggcacgt gccagcacgc ccagctaatt ttttgtatit tagtagagac ggggtttcac 180
 catgttgccc aggatggctc agatctcctg acctcctgat ccaccacct cggcctccca 240
 aagtgcctagg attacaggtg tgagccactg tgctgggccc caaatttctc ttttgtggga 300
 gaagccactt tagaagtata tatctacata ccttgnctaa gtcaatgtgt tgctataaag 360
 gaatacctga ggctgggtaa tctatacaga aaagaagggt tatttggctc tcgggtctgc 420
 aacctgcacg ggaccatggc actgacattt gcttgggggt tggaaaaggc ctcataaagc 480
 tttcattctt ggnggaaggg aaaaagggtt aaggganccg gcgttncaaa aatcccttgg 540
 naaaagccna accngaaaaa acct 564

<210> 7255

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7255

gacacatgtt tagtcattaa agcttggaga ggtcaaacta acagtcacac tggatctgaa 60
 taatgtccaa agcagcacag taagtagccg gtgttaatct gttgctaatt tttttgatgg 120
 aggtgtaaaa gaaaggcaag aaaatctaatt tggctgtatt tgggataaaa ttatagtgtt 180
 atattttctg gacaagaaga tggaacagtg gcaaagagat gctttaagaa tccacagtac 240

tggcccatct agccgtatgg atgccaacag cacattcttc actgggcctg ctattttaatt 300
 tgcattgcttc ttgtgacact tgttccatga tatttcagag tagcttctct taaagaagca 360
 tatattgtaa accacagcac atccagaaaa gtcgctctac caaatcctct ttcaacctca 420
 actcttgngg ccataatatg gtcagtgtaa cctcangccc tgggctccct aangggccta 480
 ggtggaactc ancgaggaggc ttttaccact atgcaacnta aggacagatc acattccctg 540
 agcctcagtt ncntgnaaaa an 562

<210> 7256

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7256

gcagggttaat ctgtttatit tttcaaaaca aaactaaaaa tcgccactca atgtatctga 60
 gcagactgcc tgatcacagt taaaagcttt ctgtaatgcg cagcaggaac gtcatagcct 120
 ggtggtcaga aatgagtgtc tctggcgctg ctggactgtg gcccgcagcc tgagcacccc 180
 ttcttctcct ccctctgctc atattgtctt tgtgctgcca tccagtcagc agcggacagc 240
 cagcccaatg ctgctcaggt ctgtggcatc cagagataaa aggcgtctcc gctccccgca 300
 ggtttctgct ttgccacctg gtggggtacg cgcttggtac gccaccccca ctggaggtcc 360
 tgaatggtcc acagagaagg cgtggggcaa ggcctcaagt gctgatgctc tgagaataaa 420
 aattaaaagg cagctcttgc ctgaagcgtc accccacang gctcaatnct tggctgngnc 480
 ctctggggnc caaggtgggc acatggttcg gggnaataat 520

<210> 7257

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7257

aacgatacca ctccccagat ttcaacaagt gtgacaaggc atttaaataa aatcttttgt 60
 ggggcaggga ttaaggacca cagctgcacc acagtcctgg gctgactcat ggccagtcac 120
 cacgtctctg cagccttttc acagaagtac aaaagtgtt tctttgtgga gacaggactt 180
~~aatttgatgc atttcaaccc tgtctaaatt cccctcttta tgggccagac agatatactg 240~~
 tcaaacaaat tccaagtaag ccaaacagag gctgagagaa tttgtcagtg gagaaaggca 300
 agtttcactt attcttgata gactgagttc cagatgggca gcagtgcctc agtaggtaga 360
 gtgcccagca aaggggcaga ccctgcaccc cactaagcac tttctgggga cctggcagct 420
 tgttcttaac ctggaaaata agtccatgaa gtcggcatta ttatcctcac tttaccaagg 480
 aggaaagcca ggggtcanag gagatntcca ctgncaatg gncacttagc cnggaatgga 540
 cccaactgct tcatactntt ccatgatttt acn 573

<210> 7258

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7258

gttggtgttg ttttttttga gacagagtct tgctctgtcg tctaggctag agtgcagtgg 60
 cgccacctcg gctcactgca acctccacct cctgggttca agtgattttc ctgcctcagc 120
 ctcccagta gctgggttta caggtgctcg ccaccacgcc cggctaattt ttgtttcttt 180
 agtagggttt caccgtgttg gccaggctgg tctcgaactg ctgacctcgt gatctgcccc 240
 ccttggcctc ccaaagtggg gagattacag gcgtgagcca ctgcacctgg ctttttatTT 300
 ttttaacttt gtatacggtg tttctttttt ctgtatagaa gtcaaactat tttccttcat 360
 ggattctggg ttttgtctct tcattccaag accatttaaa aaaatgtgtt cacattttcc 420
 tctgatactt ttaaggnggc tttctgaaga taaaacctga tgtgtctgca atgctagant 480
 gangcttgag tatggcaagc ttncctgangt gcacctgtga actgaggaca acatggcntn 540
 tnaaggaagg acaatcc 557

<210> 7259

<211> 493

<212> DNA

<213> Homo sapiens

<400> 7259

```

gagatggcgt ttcgccatgt tgcccaggct ggtcttgaac tctgggactc aaacgatctg   60
ctcgccttgg tctcccaaag tcccagctaa tttttttttt tttttttttt tttttttgag  120
acggagtctc gctctattgc caggctggag tgtagtggcg ccatctcggc tcaactgcaac  180
ctctgccttg tggattcaag caattctcct ccctcagcct cccgagtagc tgggactaca  240
ggtgtgcgcc accacgcca gctaattttt gtacttttag tagagacggg gtttcagcat  300
gttggccagg atggtctaga tctcttgacc ttgtgatcca cccgcctngg cctcccaaag  360
tgctgggatt acaggtgtga gccaccacgc ccggcccagc taattttttt aaaaaaagct  420
ttagagatg ggatcttgct atgttgcca ggccagtcct gaactcctgg cctnaagnna  480
ncctnccgct nna

```

<210> 7260

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7260

```

gagacagagc ctcactctgt tgctcaggct ggagtgcagt ggcacaaact cagctcatga   60
caacgtatgc ctcccgggtt caagcgattc tcacgcttca gccaaactaag tagctgggat  120
ttcaggcatg cgccactcct ggctgacttt ttctattttt agtagagaca gagttttgcc  180
atgttggcca agctagtctc gaactcttgg cctcaagcga tccgcccacc tcagcctccc  240
aaagtgctgg gattacagac aggcgggagc cacagtgcct ggccttgcatt taatttttaa  300
aatgagaaat aatacagtct tgctttcatt taaaactttt tccaagaaac catgagcaaa  360
cctgtgttta ccatatatac tgnactgaat atttgacat caccatttca atgtaaagtc  420
agatgctaata aattaacaca gactgaccaa cactctgaaa tgacttggtta ttttctaaaa  480

```


taccattagg tacagacctg aggaatgctt gggtcacttt cattaacact gncaggagaa 540
ttcaggcntg agtngatcct tctaaaa 567

<210> 7261

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7261

agggcttttt tttttaatgt ttcctcactg ttttgacaat atcatgaaaa aaatcagttt 60
agaatctgga attggcctgg acgggattcg agggcagctg gcgggggctg catagcccct 120
gaggttcctc ccccaccatg ggacctaaagc tattggaaac aggagcacca acagggcacc 180
gaacctggaa ctaagttagt gtctagagtc aggcaagaga ggagagtcag gcaagagagg 240
aggggccggg ccacagtcgc catggggacg cccctggctg tggttggttc tgtgtctccc 300
cctcccctca ctggctacat ggagacaggg aggtgggtca ggctgttccc aggtcagaaa 360
aataaccggc agtcaacctc agggctcata cccgagcttc tgctcaatcc cctcggggac 420
agttacagga ctcagagaga aacgtgaatt tcagaaaaac aaatcatttt tcacataagt 480
gttccaaata ttgcgtgggg catattaatg ctngaaaant atctttggtt anctgaaatt 540
tgcgtttaac tnancacttt tggtttgggt 570

<210> 7262

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7262

ctgtattttt agtagagacg gggtttcgcc atgttgggtca ggctggtctc gaactcccaa 60
cctcgtgatc cgcctgccta ggactcccaa agtgctggga ttacaggcgt gagccactgt 120
gcccggccat tatttcattt ctttactgga tatctttgct tgctaaagtc tctgaatctg 180

aggctctgctc tttctgacaa acaagggtga gaggtgttaa aaataggcta ttatcaaaga 240
 ctttctcttg acttaccaga ggcatgaaa tggatgaag aaggacatt actttcacta 300
 catgactcaa tgctacttaa tctaccactc atggtaggaa aatgcttatt gggataactc 360

 tggettaa atgtttcaag gttgggcttg cttctcatt aaaactgcat aattggagac 420
 catggtttga gtcantgctc tctaaccctt cccgtanaga catgctttcg gttcctgggg 480
 tttctcaatt tactctaaga accatgttac catcattact ccttnaaaaa tattattggc 540
 catcgctatt tgccaggctt ggg 563

<210> 7263

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7263

cctgagacag ggtctcactc tgtggcccag gctagagagc agtggcatga tcacagctca 60
 ctgcagcctc gacctccctg actcaagtga tctctttacc tcagcctccc aagtagtttg 120
 gactacaaat gtgcaccacc atacctggct aatttcttgt agagaacagg aggctgactt 180
 caaactcatg ggcttaagtg atcctcttgc cttggcctcc caaagtgctg ggattacaag 240
 catgagccac tgtgcctgga ctattatgaa attcttgaag taaattcttc aattccagaa 300
 gttcagttga tttcttcttt aaaatagcta ttttgncttt tagctcttgg gctgttttac 360
 ggaattcctt gaataccttg gattgggttt caactttttc ctggatcttg atgagctttg 420
 ttgtaccca gattctgaat tctctgctgt ccagtagtca ttacaatctg gttaaaaact 480
 actgctgatg ggtaaagggg ttggttcggc ataaaaagac ctttggcntt tggaatgnca 540
 cggttnttgg cctg 554

<210> 7264

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7264

gtgtgataga tttttttccc tatcccttta ctttgaacct atgagtcctg ttacatgtga	60
gagaggtctc ttgaagacag cagaaggctg ggtcttgttt ttaatccaat ttgccactcc	120
aagtctttta ggtgggggtgt ttaggttggt tacattcaag gttaatattg agacatgagg	180
ctttattcct aacatgggtgt cattagctgg ttgctctgta gtttgattg ttagttgct	240
ttacagggtc tgtgggctat gtgcttatgt gtatttttgt ggtagcagg gtcaccattc	300
tttcatttcc atgttttagaa ctctcaagac tctctttagt ggccagtctg gtgataacaa	360
attcttttag cagttgcttg tctgggaaag attttatttc ttctttgctc atgtagctta	420
gtttggcagg atatggaatt cttggttagg atttttcttt tttattnttt tcttaaagag	480
actgggtctc actatgggtt tttgggtttt ggnttttttg tttgagacna anncttgctg	540
tggtgccanc tggaangcaa	560

<210> 7265

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7265

agagggagtt tcgctcttgt caccaggt ggagtgaac ggcgcaatct tggctcactg	60
caacctctgc ctcccgggcc caagcgattc tctgcgtta gtctctctag tagctgggat	120
tacaggcaca caccgccacg cctagccaat ttttgtattt ttagtagaga tgaggtttca	180
ccatgttggt caagctggtc tcaaactcct gacctcagg gagtcactg ccttggcctc	240
ccacagtgtc gcgattacag gcgtgagcca ctgcggcccg cctattttct ttttctatat	300
gagaaagggt gaaggtcagg tacgtggcca aggtcacata taaagcaaaa ggcagggctg	360
ggttcctacg ctactggttc aagttggctt ctccatctc ttcacaaaac tgagatgatg	420
gtaaccttgg attaactgga gctgaaatat gtgctagaat ttccctttag acctncnaag	480
cccagtgaaa attttatagg gctctagaaa aaggggcttt cttctaatat ttangnatga	540
cccaaaatna atcatggtat cntt	564

<210> 7266

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7266

```

gagacagagt ctcaccatat tgcccaggct tgagtgtagt ggtgccatct cggctcactg   60
catcctccac ctctgggttc aagtgattct gattctcctg cctcagcctc cggagtagct  120
gggattacag gcatgtaaca ccatgcccag ctaatTTTTg tatttttagt agagacaggg  180
tttcacatg ttggccaggc tgctctcaaa ctctgagct caagtaatct gcccgcctcg  240
gcctcccaaa gngctgagat tacaggngtg aaccaccaca cccggcccaa gagtttttat  300
agagcttaat ccccatcccc tattccctgc cgccctgacc cccacctngc caaaggtctg  360
tggaactgagc tgaatgggtct aacctctac ttacttgatt tttcttgag acaggcccaa  420
ccttangcta tctangggca catgctgcac ctcattagct taaactcang gtnatgacaa  480
aaaggggctt attttgacta acaaaaagng cttcggcact tcnggaaaat ntaangnttt  540
ttggg                                           545
    
```

<210> 7267

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7267

```

gaggcagagt cttgctctgt agctcaggct ggagtacagt ggcatgctcg cagcttaccg   60
caacctttgc ctcccgggtt caagtgattc ttgtctcagc ctctgagta gctacatgtg  120
cctgtcacca cacctgggta atttttgtat ttttagtaga gatagggttt tgccatgttg  180
gccaggctgg tctcaaactc ctgacctcaa atgattgccc accttggcct cctaaagtgc  240
tgggattata ggcgtgagcc actgggcca gccagaaatt catccttttg tcacctgctc  300
    
```

tgagtaaacc acactatgga aagctttctc ttcactggct aaatcagtaa actgtgtcca 360
 cttctaaaag ccatccagag agaaagatgc tgattgcttt ggaagcatta aaggicaagt 420
 ttcagcaact taacacttaa caggagccaa gagaaataag gaaaaacatc acttccaaaa 480

 caagttggca cacaccaagc ataaccngaa ctnttttaaat taagataatc ccaatggnaa 540
 gantnccnaa actggcnttt ggaa 564

<210> 7268

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7268

gtagagatgg ggggtctcact atgttgccca ggctggctctc aaacttctga gctcaagtga 60
 tectccttcc tgggtctccc aaagtgctag gattacaggc gcgagccacc gtgctcagcc 120
 ttttttgggt ccaatcattc acccttccct gtatctaagc ctttatcatg taactttttc 180
 attccttccc aaagaggcaa gtacagttgc tcaactccca actgatctct ggcttagcta 240
 cataacttgc tttagcaaata gagttgttaa cagataaaac acaagcaggg ccttgaaatg 300
 tacttgacga cttgactttg ntccttgtag ctctgctatc accactatag gaaattctcc 360
 tgggtaactg ctgccccctc gaccaggtc ccagaataaa tacacgtgga gcaaacaagc 420
 tcttacctgg agtgaangag ccaagctagc tagacttgca gactgaagca caactgcact 480
 gntgagccca attgaaangc tggttcctaa nccatgnaca agcactttaa caacctatgg 540
 ttccggtggg tattaattgg aattt 565

<210> 7269

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7269

aaccaatacc ccattctctta aaaaaaaaaa aaaaagagat ggggtattgc tatgttgcct 60
aggctcgact caaatccctg ggcctaagca gtcttctgcc tcactctcca nagtaggtgg 120
aactacaggc atgagacaca gcatctacag gcatgagaca cagcatcttc ctgtcttttt 180

ggctccttta gtcccatctt tgtccctntg cccacccct acaggttttt ttgttgttgt 240
tgtttttggg atggagtctc aactggcgc ccaggctgga gtgcagtggg gtgatctcgg 300
cttactgcaa cctcctcccg ggttcaaggg agtctcctgc ctccagcctcc caagtagctg 360
ggattacagg cacctgccac cgnaccagc taattttttt gnatttttag cagaaacgcg 420
gtttcactat gttggccagg ctggctcaaa ctctgacct catgatctgc ccgccttggg 480
cttccaaagt gctggggata caggcgtgag ccaccgggct tgggcnggtt ggttggtttt 540
ttganacagg gcttnttggg caccagc 568

<210> 7270

<211> 272

<212> DNA

<213> Homo sapiens

<400> 7270

gagacagggt ttcactgtgt caccaggct ggagtgcagg ggtacaaaca ggctcactgc 60
aacctctgca tcttgggttc aagcaattct tgtgcctcct gggtagctgt gattacagg 120
acatgccacc atgccctgct tttttttttt tttttttttt tttggtattt ttagtanana 180
tgggggttca ccatgttggc caggctgac tcnaactcct ggcccaagn gatccaccgc 240
cctcggcctc ccaaagngct ganattacag ng 272

<210> 7271

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7271

gcacaacaca aagagngaac tttaatataa actatgaaca ctgnagctaa taatgaatac 60
aagttcatca gttgtaacaa agngccatgc taatgcaaca tgctaattan agggggaaat 120
atgcaaagaa naggagggat atgggaatcc ctttgnccct aatttttctg taaacataaa 180

actgctntta caaataaagc ctattaatta aaacaacaaa atacaaaaca acaactaaaa 240
ccaaaaacag ccaacaccca atgggttgag ctggagtaan aacaggctgc ccagcacact 300
tcctgggcca ctgagccctg ggcgtgaaaa gcaaacgggc cagtgaggtt tggctgggac 360
tcagctcccc agcctntggc tcaagcccga ttacgaacac aaaggtcatc tgattggatt 420
tcctgcccct cagctcactt aaggaggctt ttntgccaca agntttggtg caaaaagcaa 480
ttggctaaag ggatttggga catccggctg gggaatntng gganggttac ctttaaagan 540
gccc 544

<210> 7272

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7272

gagacagtct cactctgtcg cccaggctgg agtacggtgg cacgacctcg gctcactgca 60
acctctgcct cctgggttca agtgattctc ctgcctcagc ctcccaggta gctgggatta 120
taggcgtgcg tcaccacacc caactaattt tttttctatt tttagtagag acagggtttc 180
accatgttgg ccaggctggt ctggaactcc tgacctcagg tgatccgccc gcctcggcct 240
cccgaagtgc taggattaca ggcgtgagcc accatacttg gcccataatt agctcctaatt 300
aaccaaggcc tggctcacgt ctgccttgct catgctctcc ccttcagcga gtgcggctta 360
ctaatgagtg aatctgattc ctgccccaca acccaccagg agcagacaca gacgcagggtg 420
cacgccggca ggatgtgggt cgccgatgtg gatctagcag cccgncaaac ccgtcangct 480
tccaattgcc tncanggatc ttaaggccgg ngcttnacca cctgggaggc ctctgncct 540
tttctta 547

<210> 7273

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7273

```

gagacggagt ctcactttgt tgcccaggct ggagtgcagt ggttcaatct gggctcactg   60
caacctctgc ctcccaagtt caagtgttc tctgcctca gtctcctaag tagctgggat   120
tacaggcgcg taccaccaca cccagctaatt ttttctatct ttagtagaga caggtttcat   180
catgttggtc aggctgggtct caaactcctg accatgtgat ctgcctgcct cggcctccca   240
aagagctggg attacaggcg tgagccacca ctctcagcag gaggtttcta ttaaaaacaa   300
atgagatggt atttgcaaac tgtcagacat tgcccaattg cattagtcca ttttcacact   360
gctataaaga actacctgag actgagcaat ttatgaagaa aaaaggttta attgactcac   420
agttctgcat ggctggggaa gccttaggaa acttactatt atcattatct tttgagaaaa   480
gcttactctg gtacacangc ttgaagtgca ntggccaatc ttggctcact gnaacctcca   540
ttggcangtt caatcgatct tctgcctaa                                     569

```

<210> 7274

<211> 522

<212> DNA

<213> Homo sapiens

<400> 7274

```

ctngntacnc ctggagccca cctgacatgg agctttggac tgctccacaa gtctccagca   60
tgcctttgga agcccttntt tattgggaaa taaatncaga gttaaacagg ngggccggcc   120
aacatntgng gctttggagg ccaaaaggaa ggagtctgac ttgctcaaaa ctcaaattctc   180
catgagctgg tcattcccca cgatcacctc attcactcgt ttagctttgg cttcaatcct   240
ntggccactt ccaatcaagc agtccttgat gtctgcaccc ttntcgatca cagcattgtt   300
gcanatgaca ctgccttgga tattgcttcc ttctccaca gngactgagt tcatganaag   360
gcaattggta atagtcactc tatcttttat gaaacaggat gagccaatga ctgancgctt   420

```


aatggatgac tttntcaatc tgggctntgg nccaatgagg ctgcaactcc aaccaggggt 480
tgctgacaat ntgggcttac aaanggctgg ggggtntttn gg 522

<210> 7275

<211> 580

<212> DNA

<213> Homo sapiens

<400> 7275

cctgtgagga acgtcactgt ttcagaaatc tgctcctaaa tttccctgca gggagcatca 60
gccacagaga agactttgct ccagggactc cccttaccct aggacacctg acctctgact 120
tatagcaacc tgtatcaatt agatcactcc atggcttcca tagtgtcaac aggggagctg 180
ttagcacttg gtctctgagg agcacgggtt caaggcaatg ggaggctggc agcccagaag 240
cttcagagct gccatttagg tgggagataa attaaggggc ctggttgga gtgtgcactc 300
aactaggggt cagggggtcca ctgtttctgg ttgggtggaa acatcttttg tgagtctgga 360
tagtgtctta atttgaggac cttaatgttc agttgtgaat ggcccttcct tgcctcccag 420
cgaggctggg gagagaaagc actcccagat gatagatacc ttaagctgct ttgaacctga 480
gaagaagaag gtgcatncca agtcacanga tggtcattaa tgggtgnctg cattcttttc 540
acatgtaaat taaaccctg gcatacctng ggtggggggg 580

<210> 7276

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7276

gagacagagt cttgctctgt cgtccaggct ggagtgcagt ggcagaatct tggctcactg 60
caaccttcac ctcttaggtt caagcgattc tcctgcctca gcctcctgag cagctgggat 120
tgcaggtgcc cgccaccacg tgcagctaatt ttttatattt ttagtagaga caggatttca 180

ccatgttggc caggctggc ttgaactcct gaactcaagc aatccacctg cctcagcctc 240
 ccaaaatgct gggattacag gcgtgagcca ctgtgcccg ccttcattctt tattgctcaa 300
 aagcaaagat gccctttata cccgagtac tgtgcagaaa ccaaaatgca tctgaaaatc 360
 aaagagcaaa gctgttggct gggcagggag gacggcaggc caaagcccca gccccaggc 420
 tgggcttcag ccgtcgggtcc aggaggccca gcccaactgt ccanaatgtg acaggacacc 480
 catgtncagg actttcagtc aggacacaaa tccacaatgg cangnccttg acaaggcttn 540
 ggaaanccan cttga 555

<210> 7277

<211> 582

<212> DNA

<213> Homo sapiens

<400> 7277

gagatatgt ctcactctgt cgctcaggct ggagtgcagt ggcatgactc agctgcaacc 60
 tctgcctctt gggttcaggc aagtctcctg gcccagcctc tcgagtaggt ggtatcacgg 120
 gcacatgcca ccacgcttgg ctaatttttg ttttttagt agagataggg ttttaccatg 180
 ttggccaggc tggctcttgaa ctcccaacct taggtgagat ataagattct tgaacttaag 240
 taaaaatctt gtggttctag ccaggcatgg tggctcaaac ctgtaaccct tgcacttttg 300
 gaggctgagg ctgaggcggg cagatcactt gagcacagga gtttgagacc agcctgggca 360
 acgtggtgaa accatgtctc taccaaaaca aacaaacaaa caaaaaaatt agccaggcat 420
 gatggcacat gcccgtagtc ccagctactc gggaggctga gatgggagaa ttgcttgagc 480
 ccagtaggcg gaggttacag tgagcccaga tcatgccatt ccactncagt ctgggcaaca 540
 gaccaagact ttgtcccaaa accaaccaaa ccaaaaaacc ct 582

<210> 7278

<211> 587

<212> DNA

<213> Homo sapiens

<400> 7278

caggctggga atgtcacttt atttggattt ggttcgtggg gtgggggtct cagaacaaac	60
tagaaggcct tacataggca gctgggccc gccagctggg ctctgaccc aggacttcat	120
tctggcctgt cccccaaag catagcctcc accttctcac ctttctccag aggagtctcc	180
tccaccccca caggagctgt ggacaggccc tgcagcccta gggaaggagg aagggtcctg	240
caagtagaca ctaaggcaca gcgcggccc ggggtcataa gggctcttct ggcggtggca	300
tctgctgggg cttccagctg ggcgggggct ccacgcaacc gctgaccatc cagaagtagt	360
ttgggtgcac ctggccctgc acggcctcgc taaccatcaa ttcccatcc actgcaaaca	420
cacctttccc atccttgggc tccaacggaa ggcgaccacg ggcacatata ccaagtaggg	480
gcattcatac tccatatgcc tggccttttt ccatggncag gaaanaggcg caacaacatg	540
gcaccgaaan acttccgncc ggacgtanaa caagatgcat gacncct	587

<210> 7279

<211> 583

<212> DNA

<213> Homo sapiens

<400> 7279

agcgcgtcct tctgccttta actgacatta ccaattccac tcacattcct agcagttcac	60
tttgtaataa ctggagatgt gtataaataa tttgtacatt ttctatatag ttcaataaaa	120
aattgcttta actccacct ttacaattta ttagttgtat gactttgggc aagttagaaa	180
ttctctgagt tataatttac tcctctgtaa aatggggatc aagtttatta tgaggatcaa	240
ctctaattaa gtactaatcc cagtgtttac taccactgaa tgtaaataa atattggttt	300
tcctcttcca tccttcccca tgcacaatcc ctgttcccca aaatggccaa gatgatacaa	360
attgttgaaa ggcagacaaa ccattgcatg ggtccatacc cagaaaagcc tgttgggatt	420
ctgtctttga aatggcaata ggtgttaagt gatgatgtta ttcatcaga tcacaaagga	480
aaaattaaaa taaaaacnaa aaccaacaca aggtatgaga agagaattgc ttcaatctaa	540
gagaacctcc anggcngaga atccagaact ctntaaccat cng	583

<210> 7280

<211> 462

<212> DNA

<213> Homo sapiens

<400> 7280

```
gagacggaat ttcacacctg ttttccaggc tggagtgcaa tggcgcgtct tcagctcact   60
gcaacctctg cctcccgggt tcaagagatt ctctgtctc agcctcccaa gcagctgaga  120
ccacaggcat tcgccaccat gcccagccaa tttttgtact ctcagcanaa atggggtttc  180
accatgttgg ccaggctggg ctcaaacctc tgacctcagg caatccgccc gtgttggcct  240
cccaaagtgc tgggattaca ggcatgagcc actgcacccg gccaaacaaac ttatTTTTga  300
ttattcaaat aactaagctc taaaatggtt tttctacact atatttgagg nataaaattg  360
gtattatcaa taatTTTTtg gccangccac ggnggctcac acctataatc cccagcact  420
ttgggaaggc aaaggnggca natcacccgn nggncaggag tt                               462
```

<210> 7281

<211> 338

<212> DNA

<213> Homo sapiens

<400> 7281

```
ccagttctct gggcagttcc tgctggtcac tgctttaatc agttgatgtg gtaaggaaag   60
gagtgggtgct ggtgccacca tgtggctgga cactcagggc ctccagccaca ctccacctcg  120
gggtcttcca catcggtttc cgcggcacag aggtcatcca gggctgcctc ttcacagtcc  180
gtcacatcag gaagccctcg gatgagcatg ctgacccccg gcatcacctg gtcaaactga  240
tgcaggacct ccacgcagtg catcatgaag agcttgnctt tctgcnatag gccgngcagc  300
agcagcaccg ngccccgnan acagngcact gtccgcct                               338
```

<210> 7282

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7282

```

ctgagacata gtctcactct gtcacccagg ctggagtgca gtggcacaat ctgcactcac   60
tgcaacctct gcctcccagg ttcaagctac ctgaggcagg atgttcctgc ctccagccttc  120
caagtagctg ggattacagg cacacaccac tgcgcccagg taatttttgt attttttagta  180
gagacaggga ttcacatgtg tggcaaggct ggtcctgaac tcgacctcaa gtgatccgcc  240
cgccttgccc tcccaaagtg ttgggactag aggcgtgagc cattgtgcct gaccaactat  300
ttcctttctta gtaactgtac agcatgctat aaaatgggat aaaccaagct ttccccccat  360
atggttcact gagaacatat tcctaaaaaa aaaaaaccaa atatgcctca aagtctttat  420
tactttgcca tttcttcatt cagatctctg ctcaaattgc acttaaaggg agataccttt  480
cttgacctct ggatcatctt agtccatca tttctgcag gtaactttgn gataaaaagt  540
ggatctatct gntagancn ccttaaaatc ttggn                                575

```

<210> 7283

<211> 576

<212> DNA

<213> Homo sapiens

<400> 7283

```

gagatggagt ctactttgt cgcccaagct ggagcgcaat ggtgcaatct ctgctcactg   60
caacctcccc ctcccggtt caagccattc tctcctcag tctcccgagt agctaggact  120
acaggagtgt gccacctgc ccggctaatt tctgtatctt tagtggagat gtggtttcac  180
catgttgccc aggatggtct caaactgctg acctgtgat ctgcctgcct cggcctctca  240
aagtgtggg attacaggca tgagtcaccg cgtccggcca ggaacctctt aacttctttt  300
gtgattttgt ggggaacaat ctgggcaaca gtattgaact aagaaagggt ttcaaccctg  360

```

ggcaggtcac cacacttctt ggtactcagc ccccacccag tgatgctgtt tgaggctgtg 420
cacctgctgg ggaccgtgtg tgggtggagg ggctccagag agtgctagag ttaatgcttt 480
tctggttaga agactatatg cttctcatgg cctcttggag ttcaacangg ccttanaaag 540
catttccaac cacagagacc cctgctggnt ttctga 576

<210> 7284

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7284

ganacggagt ttcgttctcg ttgccaggc tggagtgcag nggcaggatc tcggctcact 60
gcaacctntg cctgccgggt tcaagcgatt ctctgcctc agcctcccaa gtagctggga 120
ttacaggcac ccaccaccac gcccggctaa ttttgtatit ttagtanaga caaggtttct 180
ccatgttgggt caggctcatc tcgaactccc gacctcaggn gatccgtccg cctcagccac 240
ccaaagagct gggattacag gngtgagcca cagcgcctgg cggtttgccc atatttttgt 300
gagcagttag ccacttggtg tctgactaaa agaaggtagc aacatgttcc caatatgaca 360
atTTTTTTta atngctttta aattcttcaa actttgcctc tgntaaatta tgnatttata 420
tgcctttatc atccaaatit tttttaaag cctcccttt aaaagccatc antttaatgg 480
gntgaaagtt ntaatcnggn cctaaaatit cccctgaacc acagcatgtt aatncctgaa 540
taaaataaga tccctaccta aaa 563

<210> 7285

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7285

gtatttttgg tagagatggg gtttcaccgt gttagccagg atggtctcaa tctcctgacc 60

ttgtgatcca cccgcctcgg cctcccaaag tgctgggatt acaggtgtga gccactgtgc	120
ctggccggcc agctctttat ttggtagcgg tccagagtgg ccaagccacc tgtccagaga	180
cacacagcca atctgtggca gggtcagcag cgagctcagg tcagggtgg ctggctggct	240
ctgcctggga catccacctc acagaggcac cacagttcca agcgacgcct gaagaatcct	300
gtcccttgca gtgtcccaag agcatcttcc tgagcatcta atctgatccc tgtaacaatc	360
ctgggtgcta ggcagtggct ttatcttcca ctgagagata aggaaatgag actcagggtg	420
gtgaaatcag accctggaca gcaacagtgg caatgaggac tatggaaagg gaagcttgtg	480
aacccaactt catgntgttc caaatctggg gcaattttct gaactctaata gccatttaac	540
tgggaccaag gtttgaggaa aaaaaaaaa	568

<210> 7286

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7286

aattatactt caaatctcgg gacatgtgca gagtgtgcag gtttggtaca taggtataca	60
cgtgccacgg tggtttgctg taccatcaa cccgtcatct acattaggta tttctcctaa	120
tgctatccct cccctacccc ccatccccta acaggccccg gtgtgtgatg tccccctccc	180
tgtgtccatg tgttctcatt gttcaactcc cacttatgag tgagaacatg ccatgtctgg	240
ttttctgttc ctgtgtcagt ttgctgagaa tgatgggttc cagcttcac ccatgtcctgc	300
aaaggacatg aactcatcct ttttatgac tgcatagtat tccagcttca tggagggttt	360
cttggttggtt acctgggggtt ccagttttgc acgctgcaga ggacctgcaa cttacagatt	420
tatcacttaa ttcattcttt gcattctcct acttttcctc actccaacca tttctgggca	480
ttccaaagcc cctaaagcca gaattcattt tgnatgggtc ttaacagaag taagaacttc	540
ttttgnttcc taaagaatat gaaagcctac cngtt	575

<210> 7287

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7287

```

aacataaaca ttaccacttc tgagacttct ggaaagaaaa aaaggtgaga aggaaataat   60
tctctaaatt gcctggttta ttcatatgcc tatcatactt ttgttagttc atcccttaag  120
ttatacccca tctctcacta aataccaaca attcctatta gctttttaaa taagtggttg  180
gtaaagtctg ctgagaaatg aagcaacttt tcaggctcta gaggacgcca gagcaaagcc  240
taagacatct caatacttgc acaacacaca aaacctcaa cagcattcat ttattcctaa  300
acgtttactg agtgccagac acaatatctg gcacagaaga tacagtgaca agcgcctgca  360
agagccttat aagtaaacac aagtagttct ctgacattca aaacgggaaa catttgcaga  420
ttacgtagga caccctccat ctcaagatgc tgctgcttta aggttgggga nggggctctt  480
gaaatctgca gcttaactag gggcccagct acttantaca gggctggaag ctctaccgaa  540
aaggttct                                     548
    
```

<210> 7288

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7288

```

gagatggagt cttgctctgt tgcccgggct ggagtcaggt ggcatgatct cggctcactg   60
tcacctccgc ctcccagggt caagcaattc tctgcctca gcctcccag tagctgggat  120
tacaggcatg cgccaccacg cccagctaatt tttgtatttt tagtagagaa ggggtttctc  180
catgttggtc aggttggtct caaactctcg acctcaggtg atctgcctgc ctcggcctcc  240
caaagtgctg ggatgacagg cgtgaaccgc tgcaccggg ccaaagggtc acagaagacc  300
ttctctgggt gcaggggact ggaggtcatt tticagatga gaaaaatggc cagagaggta  360
aatgggctta tagaagatcc ctgaggacct caggactgag aaaccatgtg gatggggaaa  420
ctgaggtctg aggccacatt cgcttaccaa tcttggccac ttgatgatcg gggggcctga  480
    
```


tgacccagac gccccaaact tgtccaacac gtggtnggaa aaaaggcccc aanggggttc 540
ggggcttggc cagncccn 558

<210> 7289

<211> 503

<212> DNA

<213> Homo sapiens

<400> 7289

ctaaacttct tttctcgctt catttcattc atttgatctt caatcacttg ataccctttc 60
ttccacttga tcgagtcggc tactgaagct tgtgcattcg tcacgtagtt cttgtgccat 120
ggttttcagc tccatcaggt catttaagga cttctctaca ctggttattc tagttagcca 180
ttcgtctaata cttttttcaa ggtttttagc ttctttgtga tgcgttcaag cttcctcctt 240
tagctcggag aagtctgac atctgaagcc ttcttctctc aactcgtcaa agtcattctc 300
catccagcgt tgttccattg ctgacgagga gatgcattcc tttggagggg gagaggcgct 360
ctgattttta gaattttcag cttttctgct ctggtttttc cccatctttg gggntttatc 420
tacatttggn ctttgatgat ggngatgtac aggtgggggt ttggggggga ggcccttctg 480
gnnggtaagn tttcctttta cng 503

<210> 7290

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7290

gtaaataact ttttaatgat cagaaaataa cattcaaaat aaaataatgt aagttcctaa 60
tcacagtcca caatcaaaca tatttttcaa atggtatcgt ctaccatttc ttgggtaggg 120
catatagtaa taggggcaag tgagtacttc taaacacaat atacatatag aataattacc 180
acatataagc attagaatac tttttttttt ttttttgaga cacctaggct gtcacctagg 240

ctgtcaccta ggctggaatg cagtggcatg atcccagctc cctgcaacct ccacctccca 300
 gcttcaagtg attcttgtgc ctcagccacc caaatagctg gaactacagc atgcaccacc 360
 acaccaggct aattttgtat ttaactcctg acctcaagca atctgcctct ctcagcctcc 420

 caaagtgttg ggattacagg cgtgagccat catacccagc ctacttttta aaagataaag 480
 gncctatagc ttacatcaa agctgaatga ccatncaatt ggatccatct tttaaaagcc 540
 ttaanttata gcn 553

<210> 7291

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7291

gagatggagt cttgctcttt tgcccaggca ggagtgcagt ggtgctatct tggatcactg 60
 caagctctgc ctcccagggt cagccattc tctgcctca gcctcccag tagctgggac 120
 tacagggtcc cgccaccacg cctggctaatt tttctgtatt tttagtagag acggtgtttc 180
 attgtgttag ccaggatggt ctcgatctcc tgatctcgtg atccgcccgc ctcggcctcc 240
 caaagtgctg ggattacagg cgtgagccat ggcgccctggc tgcccatttt taaaattttt 300
 attattattt ttctttcatg tcagacaggt aatgtgccaa tgtcataaaa ggtttggggg 360
 cgacatacct cacacatgtg tatgaacact caatcatcat gcttatgaac tacaaaagga 420
 tcataggcaa gagttcaaag gatggaaagg aagtgaagga ggggtgaatt gtggtgaatg 480
 tggaagtgaaggcggttcag gcngaaggcn caacttntac agangcatta agccttagac 540
 atatggctgg aag 553

<210> 7292

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7292

aagagttaac gatctgttgc ccaggccgga ctacagtggc acctccttat ctcggtgaag	60
ccttgaattc ctgggctcaa gcgacccctc catctcagcc tccagagtag ctggggctgc	120
agacatgaac cagcatgcac ggctaactta aaattctttt cttctagaga tggggctctca	180
ctatatggcc caggctggtc ttgaactcct ggtctcaagc aatcccccca cctcggactc	240
ccaggttgct gagattacag gtgtgagcca ctgtgctggc tgaattccag aactgtttca	300
tcgccttaaa tggaaacccc gtccgcatta gcagtcaccc ccgtctcttc caaccacaca	360
tccatgcata ttctctgtgg atctgcctgt tctggaaatt tctccttttt tttttttttt	420
ttttgntttg agacagagtc ttgccctgtc gcctaggctg gaggtcagtg gtgcgatcat	480
ggctcactgn aaccttccgt ntccaagntc aagcgattnt ccgnggncat atgcnaacgg	540
ggggaat	547

<210> 7293

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7293

gagatggagt ttgcacttg ttgcctaggc tggagtgcaa tggcacgac tcggctcact	60
gcaacctcca cctcccgggt tcaagtgatt ctctgcctc agcctgcca gtagcgggga	120
ttacaggctt gtgccaccac acccggctaa ttttgtatit ttcgtggaga gaaggtttct	180
ccatgttagt caggctggtc tcgaactccc gacctcaggt gattggccc cctcagcctc	240
ccaaagtgtt gggattacag gcgtgagcca atgcacccag ccttacgtct ggttttcatt	300
gagccctagg gtttggctca aacagtgtc ccagtagtct gaggtgcaag gcctgggaaa	360
ccaatggaag gagggtggac cgggtgggaag ggatgaagg cctgagactg ggggtgaagcc	420
aaagcaaact gtgcaggaca aatggaatgg tggangccaa gatgcatttt gcaaaaactg	480
gtttgcacaa cttggagtca agcccttgca ngcagaaaac acccctntgg tggttccttg	540
gg	542

<210> 7294

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7294

```

gagacgatct cgctgtgttg cccaggctag actcaaacc ctaaactcaa gcataccttca 60
acttcagctt ccaaataact gggaccatat gcacgcatca ccacaccag tttcccctgc 120
cttttgga aa actctgtaat attccatatt tcacagcgtg actggagaaa gtagatgttg 180
ggatgaagtg ggaaacctga tactcaccca ccaagacagc cgtatgcttg tgagcggggt 240
caaaggggct ttggcctttt cctccatga ccttgctcct cgagatgggc aacaggtagg 300
aatcttgaag ttcctaaatg gggagagagg ctggggggcc agaacgcaa ggtctcacat 360
ctgggaaatg aggggcttga ggaaggaagg gaaagggaca tagagggaaa ttggtctggg 420
gccaggaagt tcatganggt cctgcatctg gaaaggccag agttttncag agcttcagan 480
gaaaagtent gggtagatgt naaaagggat gcttgggggn cttaacctt gggcaccaan 540
aacttaccat ngaaggg 557

```

<210> 7295

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7295

```

gagacggagt ctggctctgt cgcccaggct ggagtgcagt ggcgcaatct cggcccactg 60
taagctccgc ctcccagggt cagccattc tctgcctca gcctcccag tagctgggac 120
ttctttttaa aatttgttt tttcttttt gttcttttt tttaatctat tttagttttc 180
tgagaaatct ccatactgct ttccataata gttacaccaa tttacattcc caccaacagt 240
gtatgagagt tccctcttct ccacatcctt gccaacatct gctattcttt gtctttctaa 300
cgcacattct agctaaggta agatgatatc tcattgtagt tttgatttgc tttccctta 360

```

cacttagcaa tgctgggcac tgttcacata cctgtttgtc atttgtatgt ctttttttga 420
 gaaatgtctt tttatgtcac ttgcacactt ttttaagtggg attattgggt atttttactg 480
 gtcaagtggg ttggattcct caaatattct ggggatcagc cttttcttgg atgaatagtt 540
 accaacattt tct 553

<210> 7296

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7296

gacatcatct cactttaatg acttcctaaa agccttatct ccaaatacag tcacatgggg 60
 gttaggcctt caacacagga atttggggca gggacacagt tcagtccata acacctccgc 120
 agacaaatct gatctctgcc tcctccacag cgccaccttg ttcagggcag gacttctctt 180
 catcacagca catccaccct tgattcccat ttgngcctcg tgtgcatttg atgaacgaat 240
 gaagtcccat cccctactcc ttctgtctcc tccttctctc cagcagcctc tgtgtgacaa 300
 cttatccgtc tctccactg tcccagttcc cagaggcagg agccaccctc tcatgcatcc 360
 ctgggctctc ggcaccctgc acagggcagg cccgggtggg tgaattctgg ttcaattgta 420
 ggaggacctg tggcccctgg ggttggcgaa ccccgggccg ggagtccac tccttggcat 480
 tgcgnccac acattcatca gcccctattg gacaaaggct tattccatta ctgngggttc 540
 tttcagnccn 550

<210> 7297

<211> 451

<212> DNA

<213> Homo sapiens

<400> 7297

ataaagaaaa gaggtttaat tggctcatgg ttctaaaggc tgtacaggaa gcatgatgct 60

ggtatctatt cggcttctgg agaggcctta ggaaactttc aatgatgggtg gaagggtgaaa 120
gcgtagcagg cacgtctttg cttttttttt tttttttttt tttganatgg agtctcgctc 180
cttcgcccag gcggaagtgc agtggcgcgga tcccggccca ccgcaagctc cgccttccag 240

geecaageca ttctcctgcc tcagcctccc gagtagccgg gaccacaggc gcccgccacc 300
gtgcccggcc aattccctgt attcctagta nagacgggggt ttcaccgtgc tagccacgat 360
ggcctcgatc tctgacctc gtgatccgcc cacctnancc ccccaaagtg ctgggaccac 420
aggcntgagc ccccnccccg gcccnngcnt g 451

<210> 7298

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7298

agatggggtc tccatctgtt gccaggctg gagtgcagtg gtgcgatctc ggctcactgc 60
aacctccgcc acccgggttc aagtgat ttt cctgcctcag cctccggagc agctgggatt 120
acaggcacgc gtcaccacgc ctggctaatt tttgtatttt tcgtagagac ggagtttcac 180
catgttggcc aggctggctt ccaaactctg acctcagatg atccaccac ctgggcctcc 240
caaagtgtg ggatgacaga caggcgtgag ccactgcacc cggccaataa tggttacttc 300
tagctagata ctactgtcat gtttcaagat ggctcactta aacctgtact tctggcagga 360
aagagaccca aacccatgaa gaatgagata catgtacagt tttgattata aaaccaaaga 420
ataatggctt cacaagatga cggctgggct cctgggctgc cttcagtnc tttaaacagg 480
taatacagat cttgctttct tctctctctt tttgagaaan cttgctgnga cagacacccc 540
cccagggg 548

<210> 7299

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7299

ccatctccaa atggtttttt attgaacacc cactttggct aggcaatata cteccccctgc	60
cctctaatec aggttcaggt acccccagtg gagtatcctc agaaggcaac tcccaagacc	120
aggagtaatg agagattggg cagagggtaa gggacagcag ggaggcggag gaaaatgaag	180
acaccaggga aagaggagag gcctgaactg gacagctgat gctttgtcct gcccagcacc	240
cattcgtccc ttcttcaggt aatatcatct gccaccacaa ccaccagcac caactctcag	300
tctctgtggg tacatgccag gcctgtccat ttgngtatt ccattctcct ggccacaatg	360
atgacttgag gctggatacc ttctcgtct ggaccaatga gaaccaaata cagcagttct	420
gtcagcaaag gggagctctt tttatcaata actggtgctg tggggccaca ctgtgaagcc	480
caagaataaa gccactcaaa tgaaacnac tgagagccaa gagacagata ctggttggag	540
gcctg	545

<210> 7300

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7300

gatagtattc aacgagaaat aacacttta ataaaacttt ttccatgagg aaggtacagt	60
aattatccac ctcttgata ctctctgta gtcctctgag taagctccaa actcaatcca	120
tactccaagt aacagactta agatgttcaa tatttgaact ctttggcata aactaaaaaa	180
gaaaccttgg taaaagcaga atttacaac attttgttcc ttgcagtaca cttttcaaaa	240
gacatcttca tcaaataagg aagaaaggta agaattgctg aggtaagtag aggtctcttt	300
tattatggtc ttcatctat cattattaaa ccctaatact atgtcctgtt ccaaagcatt	360
atgtgagtat tcaatcaaag aagtgaggct gttctccaga attggttctc tgctacaggt	420
caaaaccgac tgcgccagcc ttggcgaagc tccgcctact gccctttgct ccaagtaatt	480
tttggcgatt tttaaagtaa tttttccggc ggagtcatan tggcgctata ctcttggata	540
nggtatcctg gctct	555

<210> 7301

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7301

```

gagacagggt ctcactcact gcccagggtg gaggtcagtg gtgtgatctt ggctcactgc   60
aacctctctt tccaaggctc aagtgatcct cccacctcag ccttctgagt agctgggact  120
acaggtgcat accaccatac ctggttaatt tttgtatitt tagtaaagat gaggtttcct  180
taggttggcc aggctgggat tgaactcctg acctcaactg atccgcccgc cttggcctcc  240
taaagtgctg ggattacagg tgtgagacac cgcacctggc cttctagcag tacttttaaa  300
agggaaaaaa atggagaaaa aaatacttaa cctattatag aagaaccagg caaactgtgc  360
cctcagctga tgacctccag acggccgtca actgtgcctg aagtggacgg tgtcatgcgg  420
tatgaacaga taagtgagaa aagaacccat gtagctctaa acccacacac actatgaaaa  480
aacgacgcat gaaccacaag aagctgcann ctctggagtt aanggagcac gccacagg   538
    
```

<210> 7302

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7302

```

gttgcatttt tagtagagac agggttccac catgccggcc aggctggctt cgaattcctg   60
acctcaggtg atccgcccac cttggcctcc caaagtgcta ggactacagt catgagccac  120
cgtgcctggc ctccttatga gaatctaata cctgatgata tgtcactgtc tcccatcacc  180
tccagatggg accacctagt tgcaggaaaa caagctcagg gctcccactg attctacatg  240
atggtgagtt atagaattgt ttcattatcc attacaatgc gataataaag tacacaataa  300
gtggaatgtg cttggattat ccccaaacca ttccccccac ccccgacccc ctctatccgt  360
    
```


agaaaaattg ccttccacaa aaccagtccg tgggtgtccaa aagggaacca ctgccttggc 420
 accaagtcta aaacaacact cttggcatgt tttcttatcc tgctttttct tectggaact 480
 tggttacct tacattgggt taattggctg ttcctaact agaactnaa ncctttgggg 540

<210> 7303

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7303

gagacggagt ctcactctgt cgcccaggct ggagtgcagt ggcacgatct cggctcactg 60
 caacctctgc ctctgggct caagcaattc tcctgactca gccttctgag tagctgggac 120
 tacaggtgcc caccaccacg cccagctaatt ttttgtatit tagtagagac ggggtttcac 180
 cagtgttctt cgattttctaa atcagcccta gtaacttcat aatgttaagt aataaaagtc 240
 atcttctata gcccagtcac ctgatactat gatctgatca ttgatactct caggggtaag 300
 gcaattctag tactgttaact tcttgctggc attaaattta aaaatgtaaa atatacttag 360
 gagcagaatc tgacttttgt ggatttatat tataaattaa tccaccaaag acaagacttt 420
 tgcacatatt tcagtaaata aacacactga ttcataata tgcagccaag caaatncaaa 480
 gatcctggag taaataccaa caacgtgnca caaaagtnaa atttncaaaa tcttggnctn 540
 tgg 543

<210> 7304

<211> 480

<212> DNA

<213> Homo sapiens

<400> 7304

gagatggagt caggctctgt tgcccaggct ggagtgcagt ggcgcagtct cagctcactg 60
 caacctccac cttccaggtt caagcgattc tcctgcctca gcctcccag catctgggat 120

tacaggcatg caccgccatg cctggctaatt tttttgtatt tctagtagag atgggggttc 180
 accatgttgg ccaggctggg ctcgagctcc tgacctcaag tgatccacct gccttggcct 240
 cccaaagtgc tgggattaca ggcatgagcc accatgccca gcctggcatc tctttttctt 300
~~tttttttgag acggagtctc gctctgtcgc caggctggag tgcagtgaca tgatctcggc 360~~
 tcaactgcaac aacatccacc tccacagtgc aagtgactct cctgcctnag cctcccaagt 420
 agctgggact acaggcgcac gccaccatgt ccggnatnatt ttgnatnttt tagnananac 480

<210> 7305

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7305

agtagagacg gggtttcacc gtgttagcta ggatggctctg gatctcccga cctcgtgac 60
 caccgcctc agtctcccaa agtgttgga ttacagggtg gagccaccac acccagccag 120
 aataatctct taattaaaag gctgggtctg gcacagatca actgaatatt gcttaccact 180
 tcctggaata taggttaaatt cagggttaaaa ttaacactaa aggcagactt gaaattgtat 240
 aaaagtaact gaagggcact aagtagctgt agaaagattt gaggggagg gatttatgga 300
 ctgctgcttt aatatattca ggccaaattc tttttccct gctcctgcat cccttaatca 360
 ctgtccaagc ccaacgaaac aaagttag cctcctggga aactaataac tgctatactc 420
 cagggaaggt tttgtccatt gnactacagt ttctacatct gcttctccag atccattctt 480
 caccctcact ttttctgaa ttctgggaag ctgactttat agacctgnt tctaggtaag 540
 tcangaat 548

<210> 7306

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7306

cccaagacag agtcttactc tgctgagtgc agtgggtgga tctcagctca ctgcaacctc	60
cacctcctgg gctcaagcaa ttcttatgcc tcagcctccc tgagtagctg ggactacagg	120
catgtgccaa catgcccagc taattttttg tatttttagta gagacgaggt ttcgccatgt	180
tgcacaggct ggtctcgaac tcctgagctc aggcaatcca cccaccttgg cctcccaaag	240
tgctgggatt acgggcatga gccatcacac ccagcttata cttctatctt taccagctta	300
gattgggttt taagtttctt gcaccagaa gggtcctaac cactacacaa tctaattggt	360
actgtcacc acaaatagaca gtgggttggg tacattgatg acttattaca tttattatct	420
catgccgatt gtcataaaac caaattattc ccacctccat ttttttctct cctnccgacc	480
atcatgggcc cccaaacttt tgctggcctg taaaaagcac tgggcttnca agtaaggana	540
accgggggttt	550

<210> 7307

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7307

ggagacagag tgccactctg gcacccatgc tggagtgcag tggcacgac tttggctcact	60
gcaacctcca ccttgcaggt tcaagcgatt ctctgtcctc agcctcccga gtagctggga	120
ttacaggcac atgccaccac acccagctaa tttttatatt tttagtggag atgggggtttc	180
accatgttgg ccaggttgg ctctgaactcc tgacctcagg tgattcacca ccaccccccc	240
acccccccag ctcctcaaagt ggtggaatta caggcatgag ccaccgcccc ggccgaaatt	300
atcacttcta acacattcct ggggtgttgc gatgctgcca gtctggagac cacactttga	360
gaaccactgg gtttaatttag catctcatgg ggagacagct gtgctatagt gaaatgagta	420
gacccttgag atctacttgg acacaaactt ctggggcagt agttctcaat tgggctactt	480
cacttttggg gtcacctggg gagcttttaa aattcttgac ccttgggntt caaccagac	540
caatttaaag ggga	554

<210> 7308

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7308

gagaaggacc ttctctcttg ttgcccaggc tggagtgcaa tggcatcatc ttggctccgc 60
ctctcatatt caagcgattc tcctgcctca gcatcccaag tatctggagt tacaggcatg 120
caccacatg cctggctaataa tttgtatctt tttatacgta gagaaggggt ttcacatgt 180
tggtcaggct ggtctagaac tcctgacctc aggtgatcca cccaccctgg tgtcccaaag 240
tgctgggatt acagggtgta gccactgcgc ctggccaact ccactgttaa ggcagcagg 300
gcaggcaagt tacggctatt cacactcctg cagataaaca cagaagtcac cataccacaa 360
ctattctcct aacgctgcct tcgtcctgag ctctcctgtgc tagtggcaag tcagatgcaa 420
ggaaaatcca nagtaaaaat aanaaacaat aacaggcaca gtcttatcaa gactgtgaaa 480
ccctgtgaac cctgngaaat gaaaatgaca gaagnatgg ataaagccng aatttnangn 540

<210> 7309

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7309

gagacagagt ttctctcttt cggccaggct ggagtgaaat ggcgtaatct cggctcactg 60
caacctccgc cccaccggat tcagggtgatt ctctgcctc agcctcccga gtggctggag 120
ttacaggcgc ccaccacat gccagctaa ttgtggtatt tttagtagag atggggtttt 180
gccacattgg ccaggctggt cttgaactcc tgacctcagg tgatccacca gtctcagcct 240
tccaaagtgc taggattaca ggcctgagcc agtacgcca gcctcaaggt taggttttaa 300
atgatatttt tcctgcactg tctcgagtta tctcttttta ccttcacca catagaaaaa 360
gcaaaaagtc agcaagacac ttagtaactt ggggggcatt atttgattct ccttcctttt 420

ctttatccac attcttcggc cttcactcca tgatcgtcag actcagaaat acctgggcta 480
 gatgcccac ccangangaa gccanttgcg ctgcaagggtg aaacacttct ggggaaggaa 540
 aagtggcctt caatgccttt 560

<210> 7310

<211> 564

<212> DNA

<213> Homo sapiens

● <400> 7310

aaaaattgac ccgttttaat tatttaaaaa caaaaaacac atcaaatttc ctttaccatc 60
 tacaattcag ttatatccaa acactctaag accaaacaga agcagggatg acaatgagac 120
 actgaagaca cacgaagggtg aatgctgaag accatcagag tcccagcagg aggtcacgtc 180
 tttcattcag acgtccaat gcttttcatt tcagtttggt aaagaacgtg ttttacagga 240
 agttctttac agtaatttca tgccagacac caggtttctt cgatggtaca cagctccatg 300
 aaatttgtgt ttccatccag ttgacaggaa taaaaaggaa tttttatatt tgtctttttt 360
 tgggccgtag agacgtaaaa tggtcagatt ctttaggaa taaatgagga aaaggagagg 420
 aaagagaaga tctgggctgt gctgggtgctg gtttctactc atctttcgga nggtgtgact 480
 tcaagagtta aatcacactt aggccctaca atggattagt ctaggtatct tttttttaag 540
 aagattaataa gggaagggtt ccat 564

<210> 7311

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7311

gagatggagt cttgctctgt caccagggt ggagtgcagt ggcgtgactc agctcactgc 60
 aacctccacc tcctgggttt aagcgattct actgcttcag actcccaagt agcttgggtt 120

acaggtgacc gccaccatac tcagctaact tttttgtatt tttagtagac agcgggtttc 180
 accatgttgg ccaggctggc gttgaactcc tgacctaaag tgatctgcct gacttgggtcc 240
 cccaaagtgc taggattaca ggcatgagcc accacacccc accaggcata actcttaata 300
~~ttggctgaat actcaaggta ggatttttac tacttattaa tttttttga agaaaaactaa 360~~
 ttagcatgat cttttgggtg ggctaagagc atgttataaa ttaatatattt attaattaca 420
 ttgaacagta gtgtgtacaa taaatatctt ggatatattac gaagctttaa tgactgattc 480
 caaaatgatg atttcagagt aagcatggga atctcatcan gccttcatct ggagctcttt 540
 ttccaaagta aatagtt 557

<210> 7312

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7312

aatttttagt acagacaggg ttccaccagc ttggcaggct ggtcttgaac tcttgacctc 60
 aagtgatccg cctgccttgg cctcccaaag tgctgtgatt acaggcgtga gacaccgcac 120
 ctgggtcaa actaagaaat attaaaattt tcttcctttt aagatttaga gtaaaggcca 180
 aataagcaca ctgatgtctt cccctcttct ataagtttaa aatgaaacct gaaagcaggg 240
 tcgatgatta aaagctgatg ttcctaacta gtcttttatg gactgccagc catggtatgc 300
 tctcaaattc ttctgatgtt cctttactcc taattgaatt gtgaatgttt tattatcaaa 360
 attcacaaaa ttttgataga atgtgccaaa tatttctga gttacaattt ctcatttaga 420
 aacatttgct ttaaattctc atacatatcc aaaactgttc tgn cattttc ctgttgacta 480
 ctttttctac cttgacttga gatctccaga agagatatcc ttggtggtaa caagaaaata 540
 agctaanttt aaang 555

<210> 7313

<211> 303

<212> DNA

<213> Homo sapiens

<400> 7313

gcactttttg tagagacagg gtttcactat gttgcccacg gngctcgcga agtatatata	60
ctcaagccat ccacctgctt cggcctccta aaatgctggg attacaggca taagccaccg	120
ngcctgcctc cagnagaca tttttaaggg gnggctccat gcatttgaag cticcaaaca	180
cccaacagaa tctcaccagt caccaataac caagatcctn tctgatcctg ngctaganaa	240
atccttaaag gaactagaan aatttccttt gncctttttt tttttttgan acggagtctc	300
gnt	303

<210> 7314

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7314

agtgagatg gggtttcacc gtgtagcca ggatggtctc aatctcctga cctcgtgatc	60
cgcccacctc ggccttccaa agggctggga ttacaggcat gagccaccgc acctggccac	120
tttcagtaat attttcta atgtgtttct aacaagtacc atgcatctca gccaaactgt	180
gctactgacc tccaacacac cctgtggttt tgaaactcag agcctttgct tcccagggtt	240
tacttcatct ggagtatcac tacctaata cttccctctc cccttggtga aaacctgccc	300
gtatttcaag actctctttt tctatagtca tgcattttgt ttcagattta tgtattagct	360
accttatctg ggttctcatg acctgttctt acctgtctta caacacttga tcacatacat	420
tctattttcc ccttaaacta taaactgaaa tgcaaagaca tgtttttggt ggggactcat	480
gtgacagtat gccataaga tttgaaacca tttaaaaatg gttggtggtt tgggtgattga	540
aaaccatata aatn	554

<210> 7315

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7315

```

gttgcttcaa gacagtctgt caccaggct ggagtgaag tggcgcaatc tcagtcaca 60
gctcactgca acctccgct cctgggttca agtgattctt gtgcctcagc ctcccgagta 120
gctgggacca caggcacggg ccaccatgcc cggctaagt ttgtattttt agtagagatg 180
gggtttcacc atgttggcca ggatggtctc caagtcctga cctcaaata tccgcctgcc 240
ttggcctccc aaagtggctg gattacaggt gggagccacc gtgcctggcc ctgactctac 300
aggaaaaatg catttggtaa catgtttttg tagtgtgccc ctcaacacta caagggtgtc 360
cttgtagtga cccagcggt cctgaggctc acgtcccatc tcacctgact tctcagcaag 420
taaccactcc ggggcccttt ccagctccag tgaatccgac ccctnctgac atcctcttag 480
agttttcccc aacaattttt tttacaattt attatttact cattaatttt agacagggtt 540
ttgctctgtn 550

```

<210> 7316

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7316

```

aaaagatgga gtctcgctat gttgcccagg ctagaatcaa actgggctca aacgaccctt 60
ccaccatagc ctctgagta gctgggtcta caggcacacg ccaccatgcc aggcctgaaa 120
ggagatttta aaatgagata gataaggag caaaagttag cacattacta ttcaggagaa 180
agggactaca cagagagctc tccagggaaa ttttaaagag gaattacagc ccaagaggga 240
atcacagggc aaatatgaga agaccctgag ttccgccagg gatctgctca gagggaggag 300
tcgcatcaaa atcacgttcc ctctctgagc cctagtttcc ccaattataa aaacaggccg 360
ctgaatgtct actatctagt aagttcattg tgaataactc tgcaacatgt ggctgttaaa 420
actactcttc aagatgaaga aaatagtttt gtcagttgtg ccactgataa ttctgcctca 480

```


ttcatggaaa gggacagagt actctgacat taagaaaccc ttgggacat tggggcaggg 540
ttnaaactac tctgct 556

<210> 7317

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7317

aatagagaca gggctcttgct gttgcccagg ctggctctcca actgctgggc tcaagcgatc 60
ctcttgcccta ggcctcccaa agtgctggga ttacaggcgt cagccactgc acccagccta 120
gtacctcttt tcttgatcca agttctactg taaaacattt ttggcttgaa agaataattc 180
tcaagttttc tatgctaaaa atgactgaca attttttcac atgaccacag aacaaacctt 240
gggcatctgt ataccactta gtttactaaa gttacaacat ggtgttgtaa ctgaaataaa 300
tgatttaata acttattcaa aactctttgg gaagagtcc tccaggattc ctacatgagt 360
ttgaggcgct tgtccaagga tggggagaaa aatgttgtct gttgaaacta ggagtcccaa 420
caggagctgg cccttgagg aaaacccttg ttcctggtat gccggaaaaa cttgccagag 480
gagcagaaga ggaagatggg ggagctgctg atggtcaatg gatgnaacc tgaaataaaa 540
caggtccaag acatccn 557

<210> 7318

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7318

gagatagagt ttcactcttg tggcccaggc tggagtacaa tggcatgatc ttggctcact 60
gcaacctctg cctcctgggt tcaagcgatt ctgggattac aggcacccac aactacgcc 120
agctaatttt tgtattttta gtagagacgg ggtttcacgg tgttggccag gctggtctca 180

aactcatgat ctcaagtgat ccacctgcct cagcctccca aagtgccggg actacaggca 240
 caagccccctg caccocgccca aaagtaggta tcattatcct cattttacag atgaggccaa 300
 gggctactcag agaggttaag taacttgccc aaggtcacac agaattcaga atttacatcc 360

 agggctgagt cgatagctag aactttcaac cactccattc ttgggggcat ctactgttg 420
 ccaggacatt accaacagaa acatttggca gatagggaat taggttttct tccccaccc 480
 cgatcctata ctgggagaaa ataagaaccc ttnccccga cttgggttat cagnncgatt 540
 caaccggct ggcgnc 556

<210> 7319

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7319

ggtggtgggg ggagcgcggt agagacgaaa tctcactgtg ttgcccaagc tggctcctaaa 60
 ctgctgggct caagtgatcg tcttgccctca gcttcccaag gtgttgggat tacaggcatg 120
 agccaccatg cctggccccct aaattctttt ttgttgtttt gtttttgaga cagtctcgct 180
 ctgtcaccca ggctggagta cagtggcaca atctcagctc actgcaactt ccgcctccct 240
 ggttcaagca attcttctgc ttcagcctcc tgagtagctg ggactacagg catgcaccac 300
 cagcctggc taattttatt tttttgtat ttttagtaga gacagggttt caccatgttg 360
 gccaggcttg tcttcaactc ctgacctcat gatccgactg cctcagcctc ccaaagtgt 420
 gggattacag gtgtgagcca ctgtgcccg gctttttttt tttttttttt ttgagatgga 480
 gtttactct tccccccagg ctggagtcc agtagtncag tntgggaact caagttnact 540
 gnaaccttgn ttttcaatt 559

<210> 7320

<211> 582

<212> DNA

<213> Homo sapiens

<400> 7320

cttttttttt tttcggagag ,acaaaacaag aactagagtt ttaatgataa ,taaaagcaat	60
aataataaaa gcaataacaa taaaaacaag atcagactct cactggggta ggcaagggac	120
tgaggaggtg aaaccaaccc gtatggtgtc ccagcacggc acctgctaag gagggaggggt	180
gggaaagccc aggccttcgt tgcgggtaca ggaggatgca ggagagggct gaggtggggg	240
aggaacaact ggtgtactgg gagagagatt tgggacgagg gggaaccatc agcaaaaaat	300
ggagccagga atcacagtaa gggcgcaagg gctgaggcca gttgtttcca taaagaagac	360
tcaatcatta caaaaataat ttttagtagt taaaaaacac acatagggcc aggcattggtg	420
gctcacacct ttaatcccag cactttggga ggcctgggtg ggcagatcac caggtcagga	480
gttcgagacc acctggtcaa catggtgaaa cccccgtctn tactaaaaat tccaaaaaat	540
tancttgggt gtggtggtga accacctgta atcccacttc tn	582

<210> 7321

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7321

ctttttaagc ccaggcttta ttccagcctn tttttgagga atttgactga aaagtccct	60
ccctntcggc tgatgcgccg tcccatcctg ggctcctagn gtagggctcc tacccttggc	120
tccagcaatg ctgatgatga ggngctgggg tccccgagga caggaggcct ccaggaagga	180
accggcctca gtccacgccg tccagggact gnggctntgc cctntcgagc tgtagcacct	240
gattttctat gcaccgaaac tgccaaggcc agcttgtgtt gtacanaaat ggtcgcagat	300
caaacctgtt gtcctcaggg ctgtagttct cggcgtggta cncgggtgtg agcgtgggtca	360
tcttgtgtct gttcatggag tacttggaga aaaaccgctt cactttgtca gcgacctgtc	420
tcggggtgca aatgtgtctc cacatgccga ggagtttgca aaacatgcct gaagggccca	480
attttgggcc cntttctnag gtttcccata naccganagc tcccaaatgg gaatcccaat	540
ttt	543

<210> 7322

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7322

```

cagacagggt ctcactctgt caccagggt agagtcccggt ggtgtaatca taattcactg   60
tggcctcaac ctccctaggcc caagccatcc tcccacctca gcctcctgag tagctggggc  120
tacaggcatg ggccaccatg cccggaaaat ttattttatt tttattttta gtagaaacaa  180
ggtctggcta tgatgccag gctgtcttga actcccggtc tcaaacgata ctgtcacctc  240
ggcctcccaa agtgctggag taccgctaata ttaaaaggca gtcattgaaa catatttctt  300
gttctctttt gcatcatgga gttatgactt taaatcataa gtacagtatc cttagaaact  360
gcccagtttt atcagaaata agttctgaat gtattgtcaa ttgtgaaaag acaaaagata  420
acagttccta atattcagtt ctaatggcat gggtccccaa aatgtaaaag ctgtgactga  480
gacaattatt tcaagagagc ttcagctgta aataaacnca aactggaatt ccttggcctg  540
gcaaacaaga gggccacttt t                                     561
    
```

<210> 7323

<211> 534

<212> DNA

<213> Homo sapiens

<400> 7323

```

ggcacagggt cttgctctat taaccagggt tagagtgcag tggcatgata acagctcact   60
gtagccatga ctgccagggt tcaagtata ctcccactt cagcttccca agtagctggg  120
actacagggt tgcaccanaa tccctggcta aattttttgt tgttgttttt ttagagaca  180
ggatctcgct atattgcca ggctgatctc gagctcctgg ccttaagcaa tctcccacc  240
ttggccaccc aaagtactgg gattacaggc aggagccaat gcactcagct cagttttttt  300
    
```

ttttttttgg ggggggggnt ccagcggtat attttatttc tttagaacat cggttgcaaa 360
gctgtttana tctttcaaaa acatcaactc ttctttttga cgacaaaatg gtgaataaat 420
taaattcaga actacagttt gtgaagacac atgacattta tgattcatga aatagaaatc 480
atgnnctgct aaaataaagt ttnaactggn aaaagcnnat ttaattaaaa ctgn 534

<210> 7324

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7324

gtttgaaagc catttattta gatgacagat atgtagatat aactggataa ataaaaaaag 60
tgaaatcgag atttgaagca gtggttaaaa tataaactca taggggccac tcccttggac 120
agtgtccccc ccagcccaga cagtacaatg gctcagaaat tacacataga aatgacactc 180
ctccctccac cctcgccaag agctctgaac cgcaaggccc cacacaagaa actgaatttc 240
agtttggcac caagcacccc ctcgggccct gcctcctctc cacccttctc ctgcattcta 300
agcgatattt atttttacat tcactcctgt cctggaatcc agccgccctg acttccgcgg 360
agacagcacc agaggctgct gcaccagaag cttcggggcg aggcccagca cccactgtgt 420
ggcccagctc tggggggcct gccttgcctt gcccctcctg gttcaccttc cccacaacag 480
ancggncgac acccactgac ttccccagat tggaagaag accaaaggtc caaggataac 540
gccggcgcct tccttgggta 560

<210> 7325

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7325

gacagagttt tgctctttct gcccaggcta gaggtaatg gcacaatctc agttcactgc 60

aacctccatc tcccaggttc aagcgattct cctgcctcag cctccccgagt agctgggatt 120
 acaggcgccc gcaaccacgt ctggctaatt ttgtatTTTT agtagacacg gggtttcacc 180
 atgttggcca ggcttgtctc aaactcctga cctcaggtga tccgcctgcc tcagcctccc 240

 aaagtgctgg gattacaggc atcagccact gtgcccggcc tatcttagaa gtcttaatga 300
 ctggctacca ctgtcagaat aaaagcaaaa acaagcagct tgcaaaaggc aactcctctc 360
 ccagcacaat agcatttttg ttcaatgcta cttgtaaaat atcttttact tcaactccaaa 420
 tcaatgcagt tttaataaac tggatttgaa catttgtgga aagaacaagg gatgctgaac 480
 agggataggg aaggatttta cattggcaaa agcatgangg cctgcctgtt tcaggggcatg 540
 gctntgaaaa gcttcca 557

<210> 7326

<211> 519

<212> DNA

<213> Homo sapiens

<400> 7326

ggtgtaaaga aaaaacacag ctttattggc tctcaggaga caaaacaaac agaacaagat 60
 attcatatta atgcaaacia tgcaacaaat gaggggaaga atcgcccggc tgaagcgagg 120
 cccggcgagg ccgaggccgg ggggctgana agggcctggg tgcctgtcgc ccgggagccg 180
 aggtttcccg gcctcccctg accccgggag ccaagagcag tcgggtcccc cggcctcccg 240
 ccggcaaagg ggccctgggg ccagggcgtg cggcccctgt gtggcggcag gcggcccagg 300
 ccagcgccgg cgcctagaga aggcctccag tccaggcctc atggaagggc ctgcctngcg 360
 cggcccctca acacccaca gtgtggcact ggaagggacc taaaaacca cctggctttc 420
 tccttttccc ttneccacgc ttccaaggc ccaatgccgn atnttaattt cgcttttcng 480
 gaaggtnaag ggttaaaagg ggaggaattt ttaaggngg 519

<210> 7327

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7327

agaaagccaa gttagtgtga atgatggaaa aaaagatcta catattgatg cttaaccaaa	60
aatctgaaaa tgtgactaaa ttaagaatgg aatgttaact agggtagaga ggtctaaaat	120
atacttttaa aagtgatcag agaggcactg tttcatcaat accctgtaat gatttgcgtt	180
tgaatctagg atactcacag atcatggacc atatacacct atttacaac attaaaggca	240
gtctaagttt agactgatat acataaagtg aataattact tttgaaatga tactattgaa	300
gtagacattg atatacttat tagaccttg cctaagagaa aaaaaaaaaac ctcatttaat	360
gaaacaagtc aactgccaaa tctgtatgaa aatttatatt gcattatgga accaaatata	420
atgttacatg taaaacacaa ttaaaatcat tatcacagat aataaaactt accccaacag	480
aaacttaatg ataattacca aaggggcaac ttgnatggg ttggnTTTTT tattccacag	540
ggagcctatt tt	552

<210> 7328

<211> 531

<212> DNA

<213> Homo sapiens

<400> 7328

aatccatcag tcaatcagca agcatttatt gagcacttgt tgtattctca gagctccact	60
tggctgtgga gagatagccc atgatttaag cccaagttct tacttctaca gagctaactt	120
gngcagagct actggctana agtgcagtca taaaggagca gtggaaggca ttggtctgaa	180
ctatcacatt cattctggcc atctggacat tggacatgat gcttctgatt gtcagacact	240
catgctccag ctccaggatc tcccaggga cctgcaggac aaatttcacc gccttcagct	300
ccttggacgc cttcttctga atgacgctat caaaatcaca gtctagctgg tcaactgggtga	360
ttggccctgt taggacagcc aaggtgaact caaggccatg aacgtgtggc tgaaggaggat	420
gaagaacagg aaggccagtg gactttaagg gcctantaga ccaaaaaggg ccccagggcc	480
ctggaaactt agggctcatt tnttnccaan caggaaactt tggggccctn t	531

<210> 7329

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7329

```

gagacgcagt ctcgctctgt agcccaggct agagtgcagt ggtgcgatct cagcccaccg   60
caagctccgc ctcctgggtt cacaccattc tcctgcctca gcctccagag tagctgggac  120
tacaggcgcc caccaccacg cccggccaat tttttgtatt tttagtagag atgggggttcc  180
accgtgttag ccaggatggt ctcgatctcc tgaccttggt atccgcccgc ctcggcctcc  240
caaagtgctg agattacagg cgtgagccag gtgcctggcc ccagagtac aattaatgtt  300
ggcatgtgag gtggtcaggt aagcctacca aaaacgacca ctatttaagg agtgaagtta  360
ataaataata acaaacactg taaagcaaaa gaggcttatt atttagagag atataccaaa  420
aggaactgga aaagttgaaa atgactgctt ctaangggct tgggaaggga atgggggaag  480
gactgctggt tttcataaaa agcctaagga cttgatgggc tgggatgcna ctataggggn  540
ttt                                                                    543

```

<210> 7330

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7330

```

gaggcaagag tcttgccttt atcaccagg ctggagtgc atggcacaat cttggctcac   60
tgcaacttct gcctcccacg ttcaagcgat tctcctgcct cagcctccc agtagctggg  120
attacaggng cccaccacca cgcccggctg atttttgcat ttttagtana gaanagggtt  180
cgccatgttg gccaggctgg tcttgaactc ctgacctcgn gatctgccca cctcagcctc  240
acaaagngct gggattacag acatgaacca ctgcgcctgg cccgtctctc atcttaatgc  300

```


ctttaagctn tttacaatcg tttgagggaa aaagttatct tcacacttcc tccagtaata 360
aagggaaagc tgcataggat ggtggtggtg actggccaac ttcaggtccc agaaaatctg 420
gaaaggctgg agattncagn gagtgggaac tcganaaggg tagaatttgg agtggctnta 480
aggggaggcc ttttcccaaa ngggaaggcc cctgggtang gccaatggg at 532

<210> 7331

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7331

gaggcaggct cgctatgttg cccagactgg ccttgaactc ttgggtcaa gcaatcctcc 60
cgtctcagcc tccctagtaa ctagggctac aggtgtgcac ccctacacct ggcttgaatt 120
tttaataaca ttgaggtttc tttttgtctc ttatgcctgt gtctgtcttc ttcattctct 180
ccctcacctt taaateccctc ctgtttctgg acagcttcat acgtagtagg tgatgaaggc 240
atgacaataa agacgtggca gaattattca gtattgatca caaactctgt gtccctggga 300
aggcagctgt ggaacagtgg gtggtagggg ggatgtgggc tcagggacca gagacaccag 360
gtggggatca gggaagttea gattgcgtga ccttggacaa cttatttcca tgggcacttc 420
aactgccggc tatgtaaaat ttcccaaaca tgccaagaga taagaatccc acatgacctt 480
ggtaaaaaaa gcagactcct agatcacccc agaccaactg aaatcngaata aacttgaaaa 540
aggggcctaa n 551

<210> 7332

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7332

gcacaaagtt aatgaaataa ttatTTTTTg gtcatacctt gcacggaaaa tctgccaata 60

gcatttgaca tttagaccca ctaggcattct taagtagcct gctactcaca agacctacct 120
 tttcccactg ccctatttta caaacactct tagctctgtc tctgtctctc ctctcctcca 180
 ggaagctgga gaacaatcca cgaacagtag tgactaanat ggcccctaata gaccatatgc 240

 ttgtattatg gccttccctt gagtatgggc aggatccatg aatgggatgg aatacattcc 300
 tttgattaag ttatgctgtg tggcaaaaga gattttgcag gtataaagtc cctaatacagt 360
 tgactctgag ttaatcaaaa gagagctttt cctctgtggg cctggcctaa ttaggtgagc 420
 cccttcaaag agggctggag gctgtcctga agacagagat tctttgggtg ggttttgaan 480
 aaaccaangg ctgtgtgtgg aaanggccccc nccttggaag cagngggggg ctcattgan 538

<210> 7333

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7333

actatggcca ttatatgtaa taggaaaaaa aaaatcctgg atacatgctg gcaaggttgg 60
 gataggatac ctgggatatg cacaggtgtg ggtgtcagta gaggtggccc cggaagagt 120
 cagcacagct cccaggagca cagccagacc ccaaccaggt gtgggatgag gggtggatac 180
 agatgcctgc caggaacagt cacagaagca cacaggagcc tccaggcat ctgcaggcct 240
 ctcaggtgag gaccatggc ctcacggtga cttctgatga aacttgacc aggaaccag 300
 ctgggtgggag acagggcctg ctgctgagcc cctctgacca gagggtctct cctgggttct 360
 gtgccaggga cagaaagggg gtgtggatgc ggaggctggg caacacttgg ggctttgacg 420
 catagtgcag acgacacaca gcgcctatgt aagggcctgc tggaggaacg ggaacccgta 480
 tnccattagg actgtgggct tgggctcact tattgcatca gcttgacttt atctntggct 540
 gnattttaaa ag 552

<210> 7334

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7334

gagacagagt ctcgctgtgt caccaggct ggagtactgt ggcacaatct cggctcactg	60
caacctccac ctcccgggtt caagtgattc tcctgcctca gcctcccag tagcagggat	120
tacaggccca cgccagcatg cctggctaata tttatatatt ttagtggaga cgggggtttca	180
ccactttggt cagactggtc tcaaactcct gacctcaagt gatcctccca cctcggcctc	240
ccaaagagta actggattcg taacaaaaat agactgggga tcctggtgaa tagttgcatt	300
tggtaccatg gagtaaaaag aacctctggg ctgcattcga tgagaaactc gaggtgctgg	360
tacagctaac tgaggtaaata tactggtgtc ctgattatca gcagcaacca ttctgggtga	420
tgtcaaagtc aatggagcag gttctgagtt agatgccaaa ngcatttgac ataggactta	480
aatcagacac cctggattgg ctgggncttc tcttgggggt actgggaant tggaatggga	540
ctactggatn ggnnaa	556

<210> 7335

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7335

agacgtcaac catcgcttta ttaaggctgc gagtcggggg gctgagtcac gcactccaca	60
gacaccccca ctgctcccaa ggtccacttt tggatgacct tgaaggcaga gactcctgag	120
atctgggccca caatctaggg tgagccaccc acagtgccct gctggacagg ggggtatgag	180
gactgcacgg gggggccctc agcaggggtc ttctgccta ggggtggggt ggctccagt	240
ggctcctgggc tcaggcaggg ggggtggcag ggaggcaggg acatccccc gccctctggc	300
ctatggcttt gttgccctat tgccaccagc gcagaagcaa tgtgctatac cgtgaggtga	360
tgaagaagag ccccgggagg gagcaggcag ctctgtgcct ggggcctggc cagacctcaa	420
gggtgctgtg gcctgctcct gttcccctca cttctccagc aatgggtctn cttcaatgga	480
ngtaatcact taaaaatgga cccgaacacg ttttggtnac aancggcgtg gcaagctttn	540

ct

542

<210> 7336

<211> 546

<212> DNA

<213> Homo sapiens

<400> 7336

actttaggaa atgccccctt ttcacatttt atcggcaggt gttcataca aagaatacaa 60
 gtaactgatg aatgaagggg gcatcttgtg tccccacaat cctgctgtgc gcacaccaca 120
 ggtgagccgt tctgcctaag ggaacagccc cgccccctcc ctccggctcc tccccagcac 180
 cgtctcctcc acccagtggc ctggccgtgg atgctgcctg tggcccagct ttgagacacc 240
 gccctgacac gtgtccagcc ttacgtggaa ggatttgtct gttttgtggc atcctagtag 300
 atgccacgtt agtagatgcc atgttagtag aatggatgtg ggcatttctt tgtaagtacc 360
 caaaagccta tgagggtttt ttccacgatt ccgttcccag tttggctttt gttgttgttg 420
 tggctgttct tggccccctt gggccctgca gtggaatggg gggctgacct gggacctnga 480
 actgaggcca gcccctctgc ctgnattttc tggcaacana actgagaatt tgaanccatg 540
 cctatt 546

<210> 7337

<211> 459

<212> DNA

<213> Homo sapiens

<400> 7337

gagacagagt ctcactttgt tgcccagact ggatacagtg gtgcgatcag gtgcgtgcc 60
 ccatgctcag ctaatttttt ttaactttta agtttttttg agagataggg gctccctgtg 120
 ttgaccaagc tggctctgag ctccctgggt caagcgatcc tcccatcttg gcctcccaaa 180
 gtgctaggat tacagacttc agccatcgtg cccaacctg tctataaatt ctttaagact 240

cctcccactg agtaacagag tctgtttctt ccccttgaat ctgagccaaa cttagtgact	300
cagactacag tagaaatgat tctatggtga cttgtgaggc tgggtcataa aggcaatgtg	360
gcctgactca tgggagtcct gagctacagt gtaagagggtg tcaacactnt nagctgccat	420
gctgtgagga ancccaactg gntnatgcnn agagacaac	459

<210> 7338

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7338

cagggtcctg tcttttttat tatccagaca cacgtatcag agcctgctaa catccagttg	60
tgggaagagc agcaagcagt acaccaggag ccacaggaag agaataaaat acatcatatc	120
cggctgctgg acaagctgtg tcagggagtc actctgcggg ctgtggctcc ccagtgacat	180
ggcttctcct gagctgttgg ccttcctggt taatatcggg tttcttctgt catccagatc	240
tgctgcgttc ctcaactgaa catagctaaa atgatccgat tccgaagacc tatgagtatg	300
tcgtcgaagg taaatgctgg agtcactgtg actagtcctg gaaggaatgc tgtagtcgct	360
actgtcttct tctaggtcat ctgaggattg aacacttcct ggtgctacaa atagtgaact	420
ttctacgtgg tccacatgtt tccttttttc ctttttttta ctactgattg attctttcgn	480
tacattttct ttttaaggggg ttgctatggt ttccaagggt gggggaattc ngggaccgan	540
ggct	544

<210> 7339

<211> 507

<212> DNA

<213> Homo sapiens

<400> 7339

gagacaaggn cttgctctgt tgcccagggt ggcctcaagc aatcctcctg cccagcctc	60
--	----

acaagtagct gggaccacag ggggtgtgtgc caccacgccc agctaatttt ttgggtcagc 120
 caggcacagt agctcacgcc tataatccta gcactttggg aggccaaggn ggatgggtca 180
 cccgtgatca ggagttcgag accagcctgg ccaacatgac aaaaccccat ctctactaaa 240

agcacaaaaa ttagctgggc acaatggcac acgcctgtaa tcccagctac tcgggaggct 300
 gaggcaggag aatcacttga acccggggggt gaaggttgca gtgagctgag attgcgccac 360
 tgnactccag nctgggcaac agagcgagac tccatctcaa aaaaaaaaaa nnaagagag 420
 agacagggnt naccatgntg ccccagctga actcaaaact ccgggccaaa naagggtccg 480
 gccccgcttc aagggcngga atacagg 507

<210> 7340

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7340

gagatggagt ctactctgt cgccaggctg gagtgcagtg gcacaacctt ggctcactgc 60
 aacctctgcc tcccgggttc aagggtattct cctgcctcgg cctcctgagt agctgggatt 120
 acaggcacac cccaccaccc ccagctaatt tttgtatitt tagtacagac ggggtttcac 180
 catgttggcc gggatggctc cgatctcttg acctcgtgat ccacccgcct cggcctccca 240
 aagtgtggg attacagggg taagccatta cgcccggcca gttttgtttc ttttctcaaa 300
 tattttccat ccgtgggtga ttgaatccac aaagacagag actgcgagct gactgtactg 360
 caaagtgtct ggatcttaag gacacagggc ctctaggcca gccttcaacc cacctggttt 420
 tcagatctgt gtcaccatga ggggagcaga tggtctgagg atgggccccca nccttcacag 480
 nagccaagct tggctttttt ctaaggttta aaataaaacc tttttntttg nanttcngga 540

<210> 7341

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7341

atctagaaaa taacatttta aaaaatgaaa atattttaca ggaaataaca tttgtacata	60
ctcataacag tctcaaagag aaaacgattc ctctacccac agaacgcttc tgaaatcaca	120
tgtgtgtaag cctttccctc cacaccaacc agctctccaa ctccctctca gacaccaacg	180
cgatgtccta caattttaact cgattctgtc accaattgcc cggagctagt gcagaaccca	240
cagggttaagg ggtcagtcctt acaagaccac cccgaattca gatgccaagt gcagacgggtg	300
ggccccgggg accccacgac ccccttctca ggttccaatt ttttttttg agatgggtct	360
ctctgtcgcc caggctaaag tacagtgtcc agatctccgc tcaactgnaac ctccgncctc	420
aggttcaagt gattctcctg ncccaggctt ccaagtagct gagattacag gcgcacgcca	480
acaagcccaa ataaattttt ggatttttag gccanaaagg gggtttggcc tngttggnen	540
anaaagggtt t	551

<210> 7342

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7342

gctttctttc tcctttgggg ggaaaaaaga gtaggtgaga gtatatataa aacacgattc	60
tcttggcaat tgggtgcctgg ttttccactt tttttttttt ttttaatttt tatggttttg	120
gagtcagggt cttgccctgt tgccgaggct tcagtgcagt ggagcagtca tggctcactg	180
cagcctcgac ctcttgggct caagttgtct ttctctgtg gtcccctgag tagctaggac	240
cacagggtgt agtactcctg gctaattgta aaattgaggg tcttgcctgt ttgtccaggc	300
tggctcctaa ctcttgggat caagcaagcc tctgcctca gtttcccagt gttgggatta	360
cagggtgtgag ccaccatgcc tggcgtaaga tatatttaag tcagcagaaa acccaagtga	420
cattttaata taattcagat aatcctgagt caagctttgt aggctgaagt aaatgaaggg	480
ccttccttga ggccctttgg ctctggggca ttgnggggca ccaaccctg ggggtggncc	540
tttgcaa	547

<210> 7343

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7343

```

aaaactttat tctttatttc atttacaagc taccaaatat tatgtatcgt acacagtgc 60
gaacacttaa atggctgtag tcatggaagg atccagactg aatggaaagc tgttgagaaa 120
gaaaagataa aagcaaagta atactgcaac aggaaggtgg caaaagcata gttttgccat 180
aataaaatca attagatttg tgattataca tcagttccgg ttaaaatgtc tgagcgccat 240
gcgattttca gctttattgt ctgcagtctg actaaagtct gtatagtcac tttgtctttt 300
gcagttatta aaataaaaaa aagttaaaaa ctatagcagc aacaagcaaa ccctgtgaca 360
ggaaggcaag ggttaagaac taaaaagagt ttatacagtg tgttcaggga aagtgtgcag 420
tttatcttcc atcagcagga gttcgactga gggacaacat gattcgggca aatcgctcac 480
agagttcatg cctggaatat gaaaggtact tcggggctca tnggaacttt taatcttcat 540
ngaccattca 550

```

<210> 7344

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7344

```

gagacggagt ctcaccctgt cgcccaggct ggagtacagt ggtacaatct cggctcactg 60
caacctccgc cccctgggtc aagagattct tctgcctcag cctcctgagt agctgggact 120
atgggcgcgt gccaccatgc ccagctaatt tttgtatttt cagtagagat ggggtttcac 180
catgttggcc aggctgggtc cgaactcctg acctcgtgat ttgcctgcct cagcctccca 240
aagtgctagg attacaggga tgagccaccg tgcccagctt tttttttttt tttttttttt 300

```


taatatcaaa cgcttcatga atttgcattg catccttgca cagggacat gctaattctt 360
tctgnatcat tccagtttta gtatatgtgc tgccaaagca agcactccag cctactctag 420
gcctttgacc ttgctgacag gaaganggga ntgcangtct gggcttccan gggctgggtct 480
gacccggggc caancattct aacttggcat accacaagta gggctttgct ggattc 536

<210> 7345

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7345

gaggcagagt cttgctctgt cccccaggct ggagtgcagt ggcacgatct tcgctcactg 60
caagctctgc ctcccgggtt cagccattc tctgcctca gcctccagag tagctgggac 120
tacaggcgcc caccactatg cctggctaata tttttttgta tttttaatag agacagggtt 180
tcaccgtgtt agccaggatg gtctcgatct cctgacctca tgatctgccc gtctcagcct 240
gccaaagtgc tgggattaca ggcgtgagcc accgcgcctg gccagtgaa ctcatTTTTT 300
acaaagtttc caagaacata cactggggaa agaacagtct tttcaataaa tgggtggtggg 360
aaaactggat atccacatgc agacgaatga tacttgatcc ctatctctca ctttacacaa 420
aaatcaagtc aaaatggatt aaaggcttaa atctaagacc tcaaactgng aagtaccaca 480
agaaaacatt gggggaaaca cttnaggaca tctggctggg caaaatggtt ttgagtaatn 540
cccncaa 547

<210> 7346

<211> 515

<212> DNA

<213> Homo sapiens

<400> 7346

gagaaagggt cttgctctgt cgtctgggct ggagtgcagt ggtgcgatca cagcacactg 60

cagcctcaac ctctaggctc aagagatcct cccacctcag cctcccaagc agctgggtacc 120
 ataggcgat gccaccacac ccagctaata tatatatcc ttgctgcaat ggggtctaacc 180
 atgttgccca ggctgggtc gacctcttgg gctcaagtga tcctcccacc ttanactccc 240

 aaagtgttg gattataggc atgagccact gtgcctggcc tanaactgct tttcttaaga 300
 tagtaatggg ggcaagggtt tttataaata aatgcctctt cctacaggac aaaatcatat 360
 gataattttc tattaagata ttattcaagc ctcagggtga aaaaancctt gaagatacct 420
 tttttaaagg cccctgccta agtncagctt aagaaagcta ttaactnagt ttncacacct 480
 ntgctaaacc caggngatnt aataccatgg accng 515

<210> 7347

<211> 576

<212> DNA

<213> Homo sapiens

<400> 7347

gagacggagt ttcactcttg ttgccaggc tgtagtgcaa tggcgcgatc tcagctcacc 60
 gcaacctctg catcccgggt tcaagcgatt ctctgcctc agcctcccga gtagctggga 120
 ttacaggcat gcaccaccac gtcccactaa ttttgtatit ttagtagaga cgggggtctct 180
 ccatgttggt caggctggtc tcaaactccc gacctcaggt gatccgcctg cctttgcctc 240
 ccaaagtgtt gggattacag gtgtgagcca ctgcacccgg cctatgtgtg tctttacagg 300
 tgagtgtgtt tcttgtaggc aacagattgt tgggtcttaa ttttttttt tctttttttg 360
 agacaaggct ttgctctggt gcccaagctg gagggtcaatg gcatgatctc agctcactgc 420
 agcctcaatc tcccangctc aagtgatctt nccaacntaa cctntggagt ancttggact 480
 ttagcatgta ccactggggc accaccatta gaactgggct gggtaaaacc tgaanccaat 540
 ccagactggg cttancaagg ctgttgaacc cttacn 576

<210> 7348

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7348

gagaccgagt ctcgctctgt cgcccagcct ggagtgcact ggcgcgatct cggctcactg	60
aaagctccgc ctcccgggtt catgtcattc tcctgcctca gccttccgag tagctgggac	120
tacaggtgcc cgccaccact ctcagctaatt tttttgtatt tttagtagag acgggggttc	180
actgtgttgg ccaggatggt ctcgatcttc tgacctcatg atctgcctgc cttggcctcc	240
caaagtgtg ggattacagg cgtgagccac cgcgcccagc cctggatatg cttgcttttt	300
gaaaatttac caagctgtac atttatgatg aatgcacctt tctgtatggt ttattccaat	360
aaaaataagg agtaaacata atcctgattc taaaactgaa caaaaagaat gctgaaaatt	420
ctttctgaat taattttaaa cttttgattt ttcaaaangc atgcttctac tncctaacttt	480
ccaagttctt tgagaaaact ttcctatgac tagcagggtc aatgacacca gnggggacag	540
aaacntgcng ggaaaaagnc a	561

<210> 7349

<211> 484

<212> DNA

<213> Homo sapiens

<400> 7349

canatttaaa ccgtnnttat ttntacagca acatntgaaa atagagagca gccgcctcac	60
ccgcaacagg gggagcccct cctgccacca ggggaccgtc gccgcccctc gcganaagct	120
gcaggcgtgg ggggaggcga ggcaggatgg ctcggtgggc ggtgcccggg gcgggggtcgg	180
ccgtgcctgg gcggggccgg gtgggagggg cagtgcntaa ggccgggatg cggggcaggg	240
cccggcgggtg ggaggacgga ctaaggggag gtccccgtcc tgggccacgg ggcgatggcn	300
cgggtaggac ncatccctca naggccagga ggagcgcgag aaggtcccag gacccccttg	360
ggaggccccg ntcccganaa ttagagcct gggagatacc accgcacgga atgggggtga	420
ttaangcctg gccggtacca ctngaaaang gaccanggga agncccggta ntaccngng	480
actt	484

<210> 7350

<211> 490

<212> DNA

<213> Homo sapiens

<400> 7350

```
ctctgcccc ggtgcctcac ctccccctca taggccttct gcacactttg gggtacccct 60
agcggccccga ggcgcacccct gggctcgaac catggaggcc aggttccatg gggccaagcg 120
cagtggctga tgggaaggca ctttcgtccc tgggagaccc aggcaccaat tctccgctgc 180
gcgttttttt ttttttggtt gtttgttttt ttttctgcca caggtgcctc atctctcctg 240
cctcaaacct cagctgaaac ttttgggcct tctttcctcc ttgggggtact cgtagcagcc 300
tgaggcgcag cgtgggctcg aaccagggat gtcagcgtcc tcgggaccca gctcaagggc 360
tgacggaaag acactttcgt cagtggggga cccaggcccc gnttntccgn tgcgcgggtt 420
ttcttcttct tctgccgaan atgccttaac ttccttaag ggctttctgn ttttcctggg 480
gtaccctanc 490
```

<210> 7351

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7351

```
cgtggtttag gccccatggc ctacagtcct ttattagagc gagagtcccg aggcccagcc 60
cccatatatg atgggtccac ttgagtctcc ttaggcgccc catgaggag taacagcttg 120
ggtagagagc tagggacctt gccagcctg accctggggc aggcaagcgg cccccagcc 180
cccaccacca ccccaggaga gggcggggtg agaaccggag tcaaattctg ggccgggtcc 240
aagcgcctga gcgcccgggt tacgcaggaa atagtccagt tctcagaagt ggtctaacca 300
gccccagccc cagcccggca ccacctggag ggttcaagta catggaggag aggagtaagg 360
```

cggacttagg ccctggtatg gagaaagggt gaaggagag agaggacctt gcgctcanga 420
 gggagcgtgg tctatggcgg gaaccacggg tcccgaacgg gcgtggccga ctgtgccgga 480
 aggccccgga tccccgtggc caaggccagg cccaagggcc ntnagggccca aggtgcccc 540
 cagtgggctt caacaangcc ccgggcnaaa a 571

<210> 7352

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7352

gattatctgt agacttcagt agcttctgtt aacctgtctg taactgccat ttgcatctat 60
 ggaaattggg tcctaagcca attaatgtct tttgaattgg ctgggttcc taccagggt 120
 ggtgcagtcc ccctgcaggt gactcaggat ctcccgtgt gtaaacaggc ggaaggcaat 180
 ctgtcacac tcttgcttgg tcccacattc aaacaaacac ccaaacaagc cctcctctc 240
 cagagcagcc agatcagagt agccacaggg cccacagtgc aagatccagg ggcgggacca 300
 gcaggcagcc tccaaggggg tctggttgag atagatacct aggtcaaccc tctgtttcct 360
 actggttggg tgtgagtaca agagccatga ttctgacggt gticcagctt cctccttcag 420
 cctcagtga ctgcctggag agctctgctg aatggtgggt gcatctttgc tgctagaagt 480
 cctggcacct atnggatct caaggggccg gaacttacac actccttggc aaccatgtgg 540
 gggcttacan aactgcnaat tanggcc 567

<210> 7353

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7353

ctttctttct ttttcttttt tttagatgga gtcttgcact gccgcctggg ctggagtgca 60

gtggcacgat ctcagctcat tgcaacctct gcctcccaag ttcaagcgat tctcctgtct 120
 cagcctcccg agtagccggc attacaggcg cccaccacca tggccagcca atttcctgta 180
 ttttcagtac agacagggtc tcacatggtt ggccaggctg atctcgaact cctgacctcg 240

 tgattcacc acgtcggctt cccaaagtgc tgggattaca ggcgtgagcc actgtgctca 300
 gcgtgtttgt gaagtttcat gtcattactt atctataact cagacagttt actcatgaat 360
 aatggcagtg cttgccccac agggaggtaa tgaagaaaaa tgggaaacat ggggaatttc 420
 ctacctatta gacctgtagt ggaggctctt ctgggagtga agcttgctgg tctgccact 480
 tttatctact tnaaagccta atccttaata agnactgnta ttctnggacc tatttaaggc 540
 aaggnggcn aatttaagta ccggaacttc caa 573

<210> 7354

<211> 417

<212> DNA

<213> Homo sapiens

<400> 7354

gagacggagt cttgccctgt caccaggctg cagtgcagtg gcatgatctc ggctcagtgc 60
 aagctccgcc tctgggttc acgccattct cctgcctcag cctcccgagt agctgggact 120
 acaggcgccc gccaccgcgc ccggctaatt tttttttgt atttttagta gagatggggt 180
 ttcaccgtgt tagccaggat ggtctcgatc tctgacctc gtgatccgcc cgcctcggcc 240
 tccaaaagtg ctgggattac aggcgtgagc cactgtgccc ggccttcaat tttatttaat 300
 aattatgcat gtgtgggatg caatgngata ttttgatacg tgtatacaat ngaaatgatc 360
 aaattagggt acttaacata cctgncacct aagaatggnn ntnataatat ttatttg 417

<210> 7355

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7355

gcatgtgcac acatgtatac atttattgca taaaattcat catagcactt tccccatat	60
ttttataatc caaaaggaaa atgattcaag aaaggatttc attgtgctca gtttcaaaaa	120
atataaaaat ggacatcaga ttagagatac aagttcatac gctgaactga attgtacata	180
ccaactgcct ggctatggaa acccgtgact tgacttaggg gtgctgatga catgatctcg	240
acaagaacct cctagcaact ctcagggtgga ggcagcacag ggatgcgggtt cctgggtgagg	300
agggtcctca ctcgggtgacc aactgcctg ggctcacagc tggagggctc acccatgagg	360
gacacgggtg gacacccact gcttcacatg cctaattcac attagaaaca tgtaaagcca	420
ttcagtctgt gcaataaaga gatcctgtat gaaatccact cattccttgg aaggnaactg	480
gccngaggca cgctctggtt gacggtgacg cacaagtctt canggnctgg antgnatcat	540
gacacagacc cncgtgaaca ccca	564

<210> 7356

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7356

gagacagggt cttgctctgt caccagggt gcagtagtag ggcagtggca caattatagc	60
tcactgtagc ctcgaattcc tgggtcaaa caatcctcct acctcagcct cccgagtagt	120
tgggactaca ggcctacacc accatgcctg gctaattttt aaatttattt ttatttttgt	180
agagacaagg tctcactatg ttgcccaggc tgggtctcaaa gtcctagcct caagtgatec	240
tcccatttca gcatcccaaa gtgctgggat tacaggcatg agtcacatg cctggcctca	300
tcctcctcct tctctctccc aagtigcca gctacctctg gaaagcattc cactggctgt	360
ggctgcccct aaaccattaa gcaagtgaat ggtagtacta cagaccttgg atcaagacaa	420
agaatgtccc agatngggga atcaggacca aggacttaag gttgcattat cagncccaaa	480
cacctaagtg ggcagggttg gaaattctgg attactgnna agngcttctg gaaaaggatg	540
gcaaggttgc aagcctactn tcnccg	566

<210> 7357

<211> 541

<212> DNA

<213> Homo sapiens

<400> 7357

```

ccaactaggt tttatatttag tttccaatat tatgagcaat gatacaggag taactcaagc   60
aaatacatca ccctaaatac atcagagaaa actcactgtg tcagcacgtc ttgcgctcca  120
gcaaatgaac ataaaaacaa caatgtcagc agcattaaag tgcttttggc catacttctt  180
tcagaaaggg tctctccctc agtgggtataa atttaatttt acgtattgaa gaagctcaaa  240
atttcattca ttccccaggg gctacattga aaaaaaattc atgtttacgc taaagaattt  300
tttttttttc aaaaagagca caaaatccat tggaattgtg tgacagtgat tttccctgac  360
atgctgtgaa gtggcccttg tccattcagg cccggcacac gccgggaaca tccaccacac  420
gcatgtccac ctggcaaagt ccatcacttn gnccacaca acaggacaga ctgagggtctt  480
taaatcccag ccggtntgtg acngggcatt anctgggatg nggccccaac aggncccaag  540
g                                                                           541

```

<210> 7358

<211> 433

<212> DNA

<213> Homo sapiens

<400> 7358

```

ctgccacagg tgcctcacct ctcttccctc aaacctcaac tgaaactttt gggccttctt   60
tcctccatgg ggtactccta gcagcctgag gcgcactgtg ggctcgaacc agggacgtca  120
gcgtcttcgg ggcccagctc aagggtgac ggacactttc gtccgtgggg gaccagggcc  180
ccgttctcc gcggggcggt ttttcttttt ctctgccaca agtgcctcac cttccctca  240
tgggccttct gtccgacttg gggtagccct agtggccaga cgcacaccct gggttcgaaa  300
ctgggacact aggttccccg gggcccagcg caagggtga tgggaagaca ctttcttctt  360

```


tggggaccca ggctctgctt ntccgcggcg ttttttntg ggtgttgntg ntggttngtt 420
tttnggtntt tgg 433

<210> 7359

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7359

cgctcttggt gccaggtta gagggcaatg gtgtgatctc agctcaccgc aacctctgcc 60
tcctgggttc aagcaattct cctgcctgag cctccggagt agctgggatt acaggcatgt 120
gccatcacgc tcggctaatt tttttatatt tagtagagat ggggtttctc cgtgttggtc 180
aggctggtct caaactcacg accgcaggtg atccgcccac ctgcgcctcc caaagtgtt 240
ggattacagg cgtgagccgc cgtggctggc ctgaaaaaca aagattctta aaggttccaa 300
ggttctttta aaaaaaaaaa aaaattgcta ctaggtaata ttattcacct gggtggaaat 360
gaccgagtaa gaaaggtagc agagagcttg caatattgaa tcaagtctga tatattgcga 420
gaatgctgct ggcaaagaat cattaattgg aaaagtagaa aaaaagaaac tgngaaataa 480
gcagnccaaa agccaaacca aaacttggtg gaaacacatt gatttgccaa tcgtaaaagt 540
ntaagggn 548

<210> 7360

<211> 148

<212> DNA

<213> Homo sapiens

<400> 7360

gccaaagccc tggaattgc catttattcc caaagttgcc aaaatcatca ccaaggattc 60
accgagggtg cgtgagcggg tgcgtgaggg gaacgaggag gctcaaacac tgactggggg 120
ttgggagttt ggaggagggg gnnnnnnn 148

<210> 7361

<211> 469

<212> DNA

<213> Homo sapiens

<400> 7361

```

aatcaaaac ctgaaatctc ctgaggaatc ttagaataaa ctaaaaagac gaggaatgag   60
tgaatctacc tagaaggtag ttgtttttcc acaaaattgg gtaaacagaa gttgctgctg  120
ttatttggga cttaacagac agcagttagt aaagtcaata aaaagtatta ggggccgggc  180
gaggtggctc atgcctgtaa tcccagcact ttgggaggct gaggtgggag aatcatttga  240
ggtcaggagt tcgagaccag gctggccaac atggtgaatc cccgtctcta ctaaaaattc  300
aaaaaaatta gccaaagtgt gtggcgggca cctgtaatcc cagctactgg gaggctgagg  360
caggagaatc gcttgaaccc aggaggcana ggttgcaatg agccaaatcg cgccactgct  420
tttcaacctg ggcgactgag ccagactctg tctcaaaaaa aaannnnnn 469

```

<210> 7362

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7362

```

cggtttcaca actttattaa aaataaattt ataagtaaac aaatcgtaac tttatagatt   60
aaagttgatt gggattaagg agaacctggg tataagagga tctggtacag agaggtctca  120
ggatcttttc ctgagtggga gtacatacga ggtaggggaag agaaaacaac aaaccagaac  180
aaagttgctg ctcccaggtc ctctttcatc ctccaccttc ccacacagca ttctgacagc  240
ccctgagctc tcttcaactg cactacaaaa gggcaggcca cccccagcac agtcaagtcc  300
tgagctccct ctgctttagg ccaggcacca tgtagtgat ttccacctca gggctttcct  360
tttaaaatcc acacccaca tgcctttgca agtcagctct ctcacctctn catactcatt  420

```

tcactctttc ccaacttccc ccagcccaac cttttgccag cttccttcac tcactggaat 480
 tttccctctt ctactattnc nggaaccatt tatttcattc aagccaggaa gccatgccat 540
 tgccagaaaa cnccattttg g 561

<210> 7363

<211> 526

<212> DNA

<213> Homo sapiens

<400> 7363

gagacagagg cttgctctgt caccacgcc ggactgtagt ggngcgatct cggctcactg 60
 caacctccac atntcgggtg caagcgattc tcctgcctca gccttgcaag ttagccaggc 120
 tgtttacaga taccaccac cacacctagc taatttttgt atttttagta nagacgggat 180
 ttcacatgt tggccaggct actctcaaac tcctgacctc aagngatctg cctgccttgg 240
 cctcccaaag ngctgggatt acaggcatga gccattatgc ccggctcatc tcttaacaca 300
 ctntgcccta taacatcttt ccaaaaatct ttttttatgt ggggtgtgcct ggtggggaga 360
 aggaatggag catttaacat agtaaataaa agtgagatat tccaaatttc tcatttttac 420
 actatgggat aaggatgttt aatactaagg gaaaaattaa ctggtggact ggcttctata 480
 gcttaaggaa tnttaaaatc cactttanat tnggatttcc aaataa 526

<210> 7364

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7364

gaaacagtgt ctctgttgcc caggctagag cgcagtggca tgatcttggc tcattgcaac 60
 ctccacctct cagtttcaag cattctcctg cctcagcctc ctgagtagct gggattaccg 120
 gcacctgcca ccacaccgg ctaatttttg tatttttagt agagatgggg ttccaccatg 180

ttggccaggc	tggtctcaaa	ctcttgacct	caagtgatct	gcccacctcg	gcctcccaaa	240
gtgctgggat	tacaggcgtg	agccactgtg	cctggccacg	aagttcagac	cgtagagttt	300
ttcataatgc	aattgaaacc	ttatattctt	atgtttcgga	caggctgggt	acttaactta	360
<hr/>						
aatctttgaa	aaaaaaattg	aattcaactc	tcagaaagct	tatggccttt	tcgagaatta	420
taagtttaca	aatacctggc	atgcacttaa	gtgataggat	cagattanna	aangngcaac	480
atgcttcttg	gtttaacacg	cctgaaataa	acttaaagga	accagaagtn	cctngg	536

<210> 7365

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7365

gtacaaaaag	gaaaaaaaaa	taggaagagg	ttgtttaaaa	tggtgaatc	atgtaaacad	60
gatttaaagc	tgtctacata	aagaaacaac	acaactagct	ggaaagggga	aaacctagtc	120
tttcgagcag	caggttatgt	acacagtatt	aaaaaaggaa	tatagattgg	ggttgttttc	180
tttttttaaa	aaaaccagtt	tgagtagctt	atctggcctt	gtgtcaaaaa	caagccaaaa	240
gttttggaac	tggttggaat	gtgctgaggg	gcaacttggg	aaaacggcag	ggctcactca	300
ttcctgggag	tatctgattg	acacagagga	cgctgttgaa	ctggggcctt	atctgaaaag	360
agacaaaagg	atcatccgag	tggaactga	tgggcccttc	tagttctcag	acactctaca	420
taggtataga	aagctttggt	cagtaaaaac	aaattagtga	actgaatgaa	attttaaata	480
ttgaatccag	ggtttctaca	ggcttccttt	cccatgggtt	aaataccggg	gcattatt	538

<210> 7366

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7366

gagacagtct cactctgttg cccaggctgg agtgcagtga caccattttg gctcactgca 60
 acctccgcct cctgggttca agcgattctc ctgcttcagc ctcccaagta actgggatta 120
 caggcgcatg ctaccatgcc cggctaattt ttgtattttt agtagagacg gagtttcacc 180
 atgttggcca ggctgggtct gaactcctga cttcagggtga tccgcccacc ttagcctccc 240
 aaagtgctag gattacagaa gtgctcggcc tcaaaaattt tgaaaagaaa cttagttgtc 300
 aacatgattt cataatagac tgcatactta gtgttacgct ttccattca attaaaagta 360
 ataatagtct gaaaaaaaaat aattgtataa aggaaagtct actttcagat atgggtagct 420
 ttcaacctat taagttctgg gattttggna actgaagacc ctttcatgng tcccaanagg 480
 ncatcttatt ttaaaggggc tatgctnaac tnaantggcc taaa 524

<210> 7367

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7367

aaagacagtg tctccctgtg ttgccaggc tggctctgaa ctcttgggct caagagatcc 60
 tcctgtctca gcctcccaaa gtgctaggat tatagggtgtg agccaccatg cctggccata 120
 atttctcaaa gtacaatata ccataaggta aaggtttgac attaatgaca gtgaatatag 180
 attcatactt cctatcatct tcatgttaat ttttaaacat tttgtccaac ttatcaggtc 240
 ttattagtct gtgtttttat tagatagcca ataattttat cctgtaatat gtttgatgag 300
 cacagagtag gaaaatgtat ccatttgccc ttttcttgtg ttacatcat cgtcactatc 360
 ttgcagaatt taaaaccttt tagaacatgt gtccatgtgg ccacacatat tatatgggac 420
 gaataaatcc atataactaa gcagatatag aatgcaaaat gctcaaagta aacngaata 480
 ngacccccca ggtgaaactg gtttangagc tggggggtaa ctcatgggca caatnt 536

<210> 7368

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7368

aatggagaaa tgacctggat gcaaacataa gaagttcagt ctaatgatgc ataattccta	60
ctagaccaat gcaaatctgc aacaccagcc tcaggagagc ctgtctgcct ttctcggcca	120
cctctgctgt tgtagatagt gcttttttca gccaacagct cttaggtgga gcaacactca	180
ctttaaatca gctttcaaag agctactcat ccaagggagg tcaactcaaa agggctcaaa	240
ttgggcagct gggaaatctg cactagagac atgacaaaag aagtcaaaag ggacacagtg	300
ggagaatgac tgtcaaagag gctggagtct ctggatgttt aaacctgtgt ttgaaaagtc	360
ttacagatca caaatacagt cagtaaggaa gcacaacccc ttggtggcca actggattat	420
catctgaaca caccagacaa tgattactga ttacagaatg gggaaaaggg aagcanaggt	480
gggtncanc nttttttggg agaatttna ccgcatttcc atttcttctg gaatactggg	540
cctgc	545

<210> 7369

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7369

gttttttttg agacagggtc ttgcactgtt gccaggctg gagaatagtg gtgcgatctt	60
ggctcgccac aacctccacc tcccagggtt gagtaattct catgtctcag cctcctctcc	120
tgagtagctg ggattacagg tgtgtgccac tatgcctggc taattttttt gtatttttag	180
tagagatggg gttttgtcat gttggccggg cttgtctcaa agcctggcct caagtgatct	240
gcctacctca gcctcccaa gtgctgggtat tacagggtgtg agccacagca cctggttaga	300
acgcatcttt tctatagtat caattaggca gcaacatgcc caggaaagca ggccctggaa	360
acaaatcatg attggtgcat cacagaaatt tcttctttgc tgggtggaagg actaggaagt	420
ggggccgagt cataagcaga ngtcaagggtg gagcctttca naagaggact ttctttcctt	480
gacaagccnt tttggagaag aaaggacat ttttcngcc ttttaattcnt tttggttcaa	540

ggccttaatt tgg

553

<210> 7370

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7370

gagataggggt cttgctctgt caccagggt ggagtacagt ggcacaatca tagctcactg 60
cagcctcaac ctctgggggt caagtgatcc tcccacctta gcctccagag tagctgggac 120
tacaggtgtg agccaccata cccagctaatt ttttaaattt ttgtagaga cgtgggtcttg 180
ctatgttgcc caggctgggc ttgaactcgt gggttcaagc aatcccttca ccttggcctt 240
ccaacgtgct gggattatag gcatgagcca ctgtgcctgg ccctttgttg catttctaata 300
aaacttctta gaagagacca aacagtttga tttttaaaagt caagtacaaa tttctattaa 360
ggaagtactt attttcagtt aaataagtca taaaatatac caagaataaa gtttgtatct 420
agctagaaaa actggcagaa gtttcttaga acattctgng atcatattta taccctgta 480
tcatcactgn caaaaataaa aattggaaac tagatcactg gcngnttata atcnggaagc 540
cctctnaa 548

<210> 7371

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7371

aggaagcaga aaatcaatca tccctctttc tctttcccag cgtggctggc caccacaaaa 60
aacaggtatt tcttttttaa gccgatgaca cacagtatta caaagacaga gataactgcc 120
ctgggtcatg ggaggagggg aggctttata accaagtaaa ttggagaaa tactggatta 180
aaaaaagcta agcaagtttc tttactgaag ggcttcttag agccattaat aagcttatta 240

ataagcttat aggctccttc gtctcttaag aggggaacat ttcgtcatgg aatccactcc 300
 tcatagagca tctcggagga ccaagttttc actttgagaa acacttccag aaaccagcc 360
 cgttatcatc cctggctcan gaggggtggt cctgaagctg tggttcttgg ctacgtgct 420

 ctggggactt gcagaatccc ttcttctgaa aaagtatgtt agttcgcag caccacatn 480
 gaangatcta taanggccga ctnttttaaa ctcantattg ggagcccaa tagggttagg 540
 gaaanaagcc cttt 554

<210> 7372

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7372

aagagacagg atctccctgt gttaccagg ctggtctga actcctggac tcaagcaatc 60
 ctcccgcctc agcctcatga gtaactggga ctacagggtg gaactacat gccagcaat 120
 gccgcaactt ttaaagaaat tcagtcacct gagggccact gaatttcctg ggcctccatg 180
 gagagggtgt gaagtgtcca catataccag catcagcaga actctaactt ttacacagta 240
 ggtgctcaat aaagagaggg caagaccacc aactgggaag gacctccttc ttagtaatga 300
 taattttcct ttgcagggtga aacagctcaa catgcaagtg actggcactc accacaactt 360
 cttgacgatc ttctcttctt catgaagata tttttgntc tcttgctcca ctaggacgcg 420
 ctgtcgtgc acgggatccc ccagtctctt cattgggttcc atcactttgc cactgatttc 480
 agctcgggct tnttcatcat tggcctnagc aacttctggt ttgnanctgg gaacnccaaa 540
 aatcaacctt agggggtntg 560

<210> 7373

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7373

gaggagtctc actctgctgt ccaggctgga gtgcagtggc acgatcacag ttcactgaag	60
cctcaacctc ctgggctcag gtgattctcc cacctcagcc tcccaggtag ctggggagtac	120
aggeatgcac caccaggccc agctaatttt tgtattattt gtagagatgg ggttttgcca	180
tgttgcccag gctggctctg gactgctggg ctcaaacaat cctcccgcct cagcctccca	240
aagcgctggg atgacaagtg tgagtcacca agcctggctc atttactctt taacagaaaa	300
atttattgca cagacatttg taatgaatca gtaacattaa caaataatac caacacacct	360
caatgccttc atgctatact taaaaaacag aaggggagaat gggatcactg tgcaagaaat	420
aattcttcac agaaagtttc atgtgagggt ttccaaaagc ccccttgtag ccattccctg	480
gtgggnactt aactttcaag gaactttccc tgggaaagga ggccttttat attgnatttg	540
ctttaagggc nanacctggn	560

<210> 7374

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7374

ctcatggngt agttttattg tttcttcac gatattcaga tgtgcaaaaa atttcacaag	60
aaaacaagtc agcaagctct taagagggca gcaaattctt cacaagtcn agggctcctg	120
aaccacaaaa aagacaagaa gtgagtgtaa gattataaaa tgtaaatgat gaaattccag	180
aacaatgtac ttttctcaag ctctgctgca aatttaacac aaacatcagn gttaattaca	240
ctttgtcatg tatgactgag cttgctttaa gctcttacac tgaaaggaag tctcatttca	300
tgcacaaaat ctgttgcatg cctggcttcc ttaataaaac tacagttgaa catttccagn	360
gtcaaaaaaa attcaacgaa gctaaactac aggaaaatgc aggttagtag acttttaact	420
aatgcttctg aggaataata taaagttatc aaactgatac ttagaaacaa aagaaaagac	480
attggcatct tggnaatttc attagtttca ataccaaca ttntcnaagc ataaaatttt	540
ctcttac	547

<210> 7375

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7375

```

aattttttta attttttttt tttttgtaga gacaaagtct cattatgttg cccaggctgg 60
tctcaaactc ctaagtgcaa gtgacacctc cgcctcggcc tcccaaagtg ctggtattac 120
aggtgtgagc caccacacca tgcctacaga aggctttaaa catttccaac gtgagtcata 180
cagtaactca aaaattacac gttgtcttct cttacaagca gtgacttcaa agaacacatc 240
aaattcttcc atatggttgt ttacttcttg taacttcata gagaagtctc tattaagggtg 300
tttggttaacc cttggttttt atttttaaat ggttaaagtt taggaccccc acgataaaaag 360
aatctgtgat acaaagcttg ggaacacctc tagagagatg tccaaaagaa ggaacagata 420
accttatgac aagcagaaaa gggagtctta taaactccct gncctttaac ccctgagcaa 480
atgnctcagc atattctggc atcggttcgc tttatcteta actctatctc taaatncagg 540
ttttttttcc tcngcttngg a 561
    
```

<210> 7376

<211> 508

<212> DNA

<213> Homo sapiens

<400> 7376

```

gagacagggt ctcagtctgt tgcccaggat ggagtgcaat gccgtgatct cggccaccac 60
aacctccacc tcccaggctc aagcaatcct cccacctcag ccttccaagt agctgggacc 120
ataggcacac accaccatgg ctggctaatt tttgcagaga tggagttgaa ctctgggct 180
caaggcatca gcctgccttg gcttcccaaa gtgctggaat tatagatgtg agccaccaca 240
cccagctagc tgtgagtgtt ctttttaatg ttcggtatat tatgatgttt tgacatctta 300
aaaacaaaac taaatgaaaa agaacctttc tagctgggga atgactgccc ctctgggggt 360
    
```

tagccaagtc ttatgcatag caagggctca gccaggagta tgcccttgat ctgcaaactg 420
 accaatccag agactccatg ccgncctctag cangcctgta caccacagga gacaatattc 480
 cttgcntang catccanggn cangtcca 508

<210> 7377

<211> 559

<212> DNA

<213> Homo sapiens

● <400> 7377

caagtagttg tgtttcttta ttggcgtctt gctgtctcct tttctcctct ctgcgtctct 60
 ttgctaactt ttgttttatg tcatttttaa gcatggatcc atcgattact ggtttaaatg 120
 tcgatcttat atttgaggaa tgggttgcaa cacgattaac cacatcttgc ttcctccttt 180
 ccttagcaat ctggtttgct gcagcaacca tccgtgcccg cagctctctc aaggatgggc 240
 tgccgccage gccagctgcg gcgccgtccg ccatcatcag caaggcggcg caattctgtc 300
 aaaatttttg ttgccgcctc ggcatccta atacctgcag tactcttatt accagactct 360
 tcatagatca tatgcctttg gctcaaagcc tcacatctgt tagtggtttt agaaactggt 420
 tcttttttct ttttgacagt acttgatgca ctttgcacag acagggtgtg ttgaataggc 480
 attattttat aagggaaaaa antctggggn gactggtttg naanaaaggg gaaaggggaa 540
 nggagggcaa nttnttttg 559

<210> 7378

<211> 481

<212> DNA

<213> Homo sapiens

<400> 7378

cagatgaagt ctgcctctgt gaccaggct ggagtgcaat ggcatcatct tgtctcactg 60
 caacctctcc ctctgggtt caagcaactc tcctgccccg gcctcccacg tagccgggac 120

cacaggcgcc caccaccaca cctggctaac ttctctatit ttagtagaga cggggcttca 180
ccatattgcc caggctgac ccgaactcct gacctcaagc aatctgccc ccctggcctc 240
tcaaagtgt gggattacag gcatgaggca cggtgccag ccattcaacc attaatgcat 300
~~tactttagtc actcacggcc catctcaatg aaattgaggg caaagaccag ccggnrcagg~~ 360
cagtgtcagc cctcanaatt tattagttag ggcncactgc gttcagggga aggcatanag 420
gagggactgc agttcctggg ctnttnaana ggacccccan cccttattaa aaagttgnga 480
c 481

<210> 7379

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7379

gagacagagt ctcacgcctg taatcccagc actttgggag gccgaggcgg gcggatcacc 60
tgaggtcagg agctcaagaa cagcctgacc aatatggtgt tttttcttt tttaaagaag 120
aacaatcaat catattgcca gaagaatcaa tgaccagcc ctactgcacg ccgagtgggt 180
gcgacaggct tagatattgt tagaggtttg cttctgctgc caaaccgttt gcattctcct 240
ggggacagtg ctctcctgat gtgactctta ttctgaattt agagcagaag gtggtggcat 300
atacctggtg agaccaggg agggcaggat cagcaccatg aagatcaaga atatgtagac 360
tttggtcatc atgatctggt tttccccga cctgcaggaa gtcaaagggt agcactcgca 420
gtcccccaaa tgctctatgt gccccagtg angcccctgg catgtgcccc ctggctgagc 480
ancttggggg ntaagggtgtg gaccaaggga ccggcanaga tatncctntt aaggcaaggc 540
cttgggcttc ccggcacn 558

<210> 7380

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7380

cttgtttttt ttttttttt ttgagacagn gtctctttct gtttcttagg ctagaatgca	60
gtagttacaa tcacagctca ctgcagcctt gatctcccaa gctcaaggga tcttcccatc	120
ttaacttcct gcatagctgg aactacaggc atgtgccacc acatcaggct caattttaat	180
ttaatttaa tttttttgag acatagtctc actctgtcgc ccaggctgga gtgagacccc	240
atttcaaaaa aaaaagtgcc aaatgngtcc cticaattcc agtcagcact ttggaaaca	300
cgcgtaaaat tgttgccaat gtgcattctg nggttttggg agtcattgtg caaaatgcgt	360
gggcagcaag cactcttttg ngaaccaagt tctatgaacc accaagtatt ctttctctag	420
gctgaattcc aaggctntgg ttcaaaanag tncagggttc tgaaaggaan gggattggac	480
tatggatgcn gntttcttnt t	501

<210> 7381

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7381

cttttgatac agagtcacac tcttgtcacc caggctggag tgcagtggcg tgatcttggc	60
tcactgcaag ctccgcccc caggttcaca ccattttcct gcctagcctc ccaagtagct	120
gagactacag gtgcccgcga ccacgcccgg ctaatttttt gtatctttag tagacacggg	180
gtttcactgt gttagccagg atggtcttca tctcctgacc tcatgatcca cccacctga	240
cctcccaaag tgctgggatt acaggcgtga gccaccacgc ccggcccatt ttcgtctttt	300
tctccactgg ctttatttcc tctcaccgc gttccccctt accaaaaaaa agtggggcaa	360
ctaggccagt acaagacagt catcagcctc agggcctgtg cgcacacggg tgtgctggan	420
atgctggcat ggatgggggg ggtgggattt gcttgagtgc tcgtctntga cangnccant	480
naggnatggt tctctacatg g	501

<210> 7382

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7382

```

cttgtgcctt ggtcctcctg ctactatta ggaggacaag agctgagggc caagctatgt   60
tgtgaaagcc aaaagaaaca actgctatag atcgccaaac ctactggta atataaggct  120
tttccttttt gctttgagaa ttgctcatca ttttcccaca tgtaagtcca cagactttaa  180
tcaaaggctt cctttgtcat aactaccaat aatcggaact aggattttaa aaggctggta  240
ccagttctcc aagctactgc cttcccagct ctactgtatt caagacagca acctaaggct  300
gcaaacaact catgcttttag gaggaaatga gcaaagagac atctctgaac cccgctaaag  360
atttcagcag gatggccagc atctcccaa aagccaagtt tccagcttcc ccataatagt  420
tcaccaggct gtcacttttc atgnactttg atcccgnttt gccaaggttt tcttnccact  480
ttcctttatc aaggagggtc ccagnccaac cttagccccg gaaccaagcc ncagatccga  540
aaganccnac ttttccggac aagan                                           565
    
```

<210> 7383

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7383

```

aaagctagtc aagtgaagca gtgagagtgg agaaggaaca aataatctgt aactagttgt   60
gatcaattag ttgtaaacad cactgcactc ggaccagcgc aaactcattc ttaacctaat  120
cacctaaaat aattcttata atctattctt cttcaggtta aaatggagcc ctggatgtta  180
ttttaacgac ttgccatcct tcctgttttg agagtgtcct tgtaactgg tggcatacct  240
tcgtgaccgc gtcctacctt cctcattcag acctgtgctg ttcattgctg tattcccagt  300
cccttaaaaa gtactcaaca cgtgaattgc aaaatgaatt aacaactttg agggaggtgt  360
tattatcatc ctggctttac agatgaggaa actaaggttt acttagcaag attaagtaac  420
    
```

ttgcctangg gttacaaacc actagccagg aaacaaaccc acatntgacc ccaaaggcct 480
 tggttttact ntancctact ggntagaaaa gctttttaaa ggcttgcctt ttggggctta 540
 ctgggggcag tttntttta aagg 564

<210> 7384

<211> 484

<212> DNA

<213> Homo sapiens

<400> 7384

gagacagaga ctcactctgt tgcccatggt ggagtgcagt ggtgcgatct cggctcactg 60
 caacctctgc atcccanatt caagngattc tcttgccctca gcctcccaag tagctgggat 120
 tacaggcgcc tgccatcacg cccactggct aatttttttt ttgtatttt tagtaaagac 180
 agggtttcac tatgttggcc aggctggtct cgaactcttg acctcaggng atctgcccac 240
 ctcggcctcc caaagngctg aaattacagg catgagccac cgtgctgggt ccctaactat 300
 atatttcag gcacatntg ggaggtactg gcttagcaga ctgaggcagg actgactcag 360
 gggaagctga atgcctgcag tcagatccag agagcctttt ggacaagaag gggacaagcn 420
 agaaccncng aagtcaggga aggggggaan ggaatcttgc agggcantat ancaancgtt 480
 gagt 484

<210> 7385

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7385

aatttaagag acagggtttt gctacattgg ccaggctggt cttgaactcc cggcctcaag 60
 tgatccaccc gcctcagcct cccaaagtaa gttttgttcc agttctcact gtgggtggct 120
 gtctcctcac agtgacttaa cacctgcttg tgaattcctg caactatgta attacaacat 180

ggttgacatg caaagaaata tggcttatga gaatttaaaa gaaaaatcaa tggctttatg 240
 tttattcatt agcaggtgag acaattatit ttgaaactaa cttttttttt aagatgccaa 300
 cagcactttg ggaggccgag gcaggcagat cactaggtca ggaaatcgag accgtcctgg 360
 ccaacacagt gaaaccctgt ctctactaaa aatcaaaaaa attatctggg tgtggtggtg 420
 tgccgcctgg agtcccagct cttcaggang cttgtggcag gagaattgtt gactctggaa 480
 gnggaagctt gaatgagcca agaattggacc actggacttc ancctggcaa canaangaga 540
 cttcgnttcc aaaaannttt cca 563

<210> 7386

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7386

gtttggcaac tttctggtat tacttgtaaa cactggttcc ttcaacttcc tgatattact 60
 tgtaaacact ggttccttct caaccaccgt attctgattg ggtctataag tagcaccacg 120
 tccacaccac agcacgcttc tgggggtccag gagaccgcct tcactactgt gctggccccg 180
 cctgtgtacg ggccccgggg ccggggccatc cagggtgcct gtggtgctca ccccccatg 240
 gcgctcttct cgctgtcttt ggggctgggc tcttccggag tcttcttcat ctcccagccc 300
 ctgaccacgg tgtaggcgga ggagccgccc agcaccatca tgttgctcgt ccaccagagg 360
 aagctcttgg tctcctcgta ntagaacacg gncagcactg ctgggcacaa gccttggccg 420
 tgcccgacac aattgggggt caaccggact ggtgaacttg aactgnaatc ctgncacgta 480
 anccnatggc aaagccnaac aggccggcca anggnattaa tccccaaaaa tgggcacttg 540
 ccaaattggg caaagtaccc aagggtctga 569

<210> 7387

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7387

agcttttctc tcattttttt ttgttggtat tttttttaaa aagatgtcac atatgaactg	60
gggaacttta gcacaaaaat caagtctctc ctagtccatc tagcttcccc ttcctcccca	120
cttaaaaaaa agaaaaaatt aaatcacaaa gtcccactta agtcaaaatc ttcgtccgct	180
ttttcagcct tccttcctgc agaccctggc ttagtcatct gagatggaaa gtctgctgaa	240
gatgggcagg cgtcttgagt tgtccaaggt cggggagtct gagccactgt ggctgctgct	300
ggagctgctc aggtagccct cctgggtccg agagagaagt cctgagggtt gggggggagaa	360
gtcaaactat tgaaggggac tcggacatgg gcccggaaga aggaaggtgg gtcggggaag	420
ccacccccgg cagncccatg ctaggggcaa aaagcttggc agcttctggc tggaaaagca	480
aaanggtat tgggccatcg gcanggtagg tgaanccngg aggcattgng ctcaaaaanaa	540
gggggggggn aatg	554

<210> 7388

<211> 497

<212> DNA

<213> Homo sapiens

<400> 7388

ganacaaggn cttgctntgt caccagggc tggagtgcag nggtgcgatc atgatcttgt	60
ctcactgcaa cttctgcctg ctgagttcaa gngattcttg ggcctcance tcctgagtag	120
ctgggattac agngccccgc cactaagcct gactaatttt tgtattttta atanaaatgg	180
gatttcacca ttttggtcag gctggtcttg aactcctgac ctcaagngat ctgctgcct	240
aggcctccca aactgctggg attacaggct tgagccaccg cccctgactc caaatgaata	300
tttgntctaa tcttgctatg gcgaatgcan ttggtattga ggtcttgtat anacctgggt	360
tttaggatgt agcagaactg gattaatatc ctgcatcacc attattaac agcattgcta	420
aaacnaagct atgnntcctt tctgaaccct ggtttctcat cttaaaaaac aagtnnttga	480
ataaattggc cnttnta	497

<210> 7389

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7389

```

caaatcctag gtttggtcct ttattttatt cagcagtgaag agccatgaat acagaacgaa 60
taacagctgt tacaattctc aaccatgact tctaacgtca gagaattcaa agtatgaaca 120
tagtacacag taatgaaaag tatcaaaaat taatttacct caaaaaagat aaataaaaca 180
ggtatatcc accaatacat aaacagatgt ttgtgctaca gtttaaaatt tgctgtatac 240
aaaagatcat agtccccata atcagcttat gatagaagca agaatacatg agccatttaa 300
attgtcagac attatgcttt ataaggtag cacagaagtt caagcaataa atacatacat 360
tagttcaaag ccttacaata gctacgcaa gcagatgcag aaaagcagat ttgctattac 420
tagcaagcaa tgatataaga gtaaaaattc atgaaatgca tcaaagcaca tttttcttag 480
aaaaaggctg ggatttatng gtccccaca nttttacnta atatgccccaa ttttcaaatac 540
cggncacgcn ttttagggacn 560

```

<210> 7390

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7390

```

gtagagacgg gatttccgcc atgttgccca cgctgttccc caacttctga actcaagcga 60
tccgccagcc tctgcctccc aaagtactgg gattacgggc gtgagccacc gtgcacagcc 120
agtgacttct taatatatat cctaaagcgc aagaggcact ggatatttgt ggagtcttga 180
taaccaccag ggaggggccc aaggtaggag agaacaattg ttctgagaga caagtaacca 240
taaacaacgc gctgacacaa cgaccttgct ccacaggtag cccaaatggc acaacctcga 300
tcagcatgta gccccctcca gaagacctta taaaacttcc ctccagcccc tgcctctttg 360

```

cagacagccc cttctctgta gtggctacat attgcaccct tgcaatgaaa tttcatactt 420
 tctctaataa atggngcctt tatttttctt cccctacact ggcttggtaa attccttacc 480
 accggnacan cagncccaag caggcacact tgnaagaagt nctaacagtg gagcaacact 540
 tattttcaca gactntaggn ga 562

<210> 7391

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7391

gttgttgttg ttgttttctt tttttttttt ttgagacgga gttttgctgt gttggccagg 60
 ctggagtgcg gtgacactat cttagctcac tgcaacctct gcctcggcct caagcgggtc 120
 ttctgccgta gccacctgag agtagctggg attacagggtg cctgccacca cgcctggcta 180
 acttttgtat ttttagtaga gacggacttt caccatgctg gtcaggctgg tcttgaactc 240
 ctgacctcag gtgatccacc tgcctctgcc tcccaaagtg cagggtgtgag ccaccacgcc 300
 cggcctgtgt ggtatttttc aaaatttcaa caacaccgtc ataaacagga aaaccgtttc 360
 acagagcccc gatcacagag tagttacctg agggactgca cgccgtgtct ctcagacttc 420
 acgaagaagg ggaccttccc gttcctggtg atatccacca ggctncctt gtcattcagg 480
 atcccgtant ggatggcggc gcggcatatg ctaaacagct ttatagacag agttccaaaa 540
 atcttngcct tgggggtaag g 561

<210> 7392

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7392

gagacagagt cttgctctgt tgcccaggct ggagtgcagt ggtgccatct cggctcactg 60

caagctccgc ctctggggtt cagccattc tcctgcctca gcctcccaag tagctgggac 120
 tacaggcacc cactaccaca cccagctaatt tttttgtatt ttaagtagag acgggggttc 180
 accatgttag ccagcatggt ctcgatctcc gagatccac tttatacaaa agaaagggtgt 240
~~tctccattct taggaacatg gaaaagggga atccatactt gtgtgaaagt agcccctaag 300~~
 ccacctccct cctggagatt ctaaggaaac ttatcagccc accatcccta aagaactcct 360
 cccaaggcct caggcactgc tcctttccag gtttcagggg gagcatgctc cagcagccga 420
 cctgtcccca cccggcacca gctgccacaa cctgaaaatc cgcttgctgc caagagctgc 480
 ctgagcccag cccaagcttc caccctgcct tanagacagg atccacctgc tactctggtg 540
 agaagctnta aaaagctac 559

<210> 7393

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7393

ggcttagggg gtggaatctt atttttgact aattccctct gggcattatt tctaaaggag 60
 agaaatttaa gatctaactt ccatataggg gggttatgct cattaatccc actccttatg 120
 attgtaaatt gaagagaaag gatgttcccc aaaggaatga aggttgaggg aaaaccttta 180
 gcccttcttt tcagaagtaa tttatctgac aaggatggca gaagaccaat tattggcatc 240
 tgctttcttt ggccttctct ctccctatac tccatacctc cagcaagcac ttatgtattc 300
 ttgggcttga caagggtgag gtcaggtgca atcttctatc cagctgatgg ctctgtccac 360
 tctaccaagt caactcttcc caagtttagg ctccaaagtc cagttacagg gttagaataa 420
 ataaaggcca attcgatttc cagtctaaac tgcattctac aatttggtt cattggcaat 480
 gcancacgta tctgaatctc catctcactc ctcatctga acttgagat ttgatggctt 540
 ccacaaaagc ccanactcat atggtttn 568

<210> 7394

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7394

```

gagttaacaa aatatcttta ataaaatctt tttgtttgtt tgttttgttt tggagacaga   60
gtctgtcacc caggttggag tgcagtggcg cgatctcggc tcaactgcaac ctctgcctcc  120
cgggttcaag cgattctect gcctcagcct cccgagtagc tgggatgaca ggtgcatgcc  180
accactctcg gctaattttt gtatttttaa tagagacgga ggtttcacca tgttggccag  240
gctggtctcg aactcctgac tcaggtgatc cgcccgcctc agcctctcaa agtgttggat  300
tacaggcgtg agccacggcg cctggcctaa aacccttttt taccacaaaa tggagacctg  360
taaggcgaag tgaggttggg tggctggacg gtgggggtgg ggtgcaagtc ctggatcagg  420
gccggagctg cacttcttcc tcttcttgnt gcccgggggc gcctcgtctt cttgcccana  480
atctttaaaa agctcttggc atgtatangg cccggnccaa ggagccgttg gttccgttca  540
aggctttcag gaagcnnagg aaaact                                     566
    
```

<210> 7395

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7395

```

gaggtggaga ctgctctgt cgcccaggct ggagttcagt ggcatgatct cagctcactg   60
caacctctgc ctcccggtt caagtgatc tcatgcctca gcctcccaag tggcttggat  120
tacaggtgca acaccaccac acctggctaa tttttgtatt tttagtagag gtgggggttc  180
accatgttgg ccaggctgat ctggaactcc tgacctcaag tgatccaacc actcagccac  240
ccaaagtgct gggattacag gcatgagcca ccgcaccagg cccttttttg gcttttgttt  300
gttgtttttg tttgtttctt tttagagaca agatcttgct tgattgccca ggctggagtg  360
caatgacacc atcatagctc actgcaaact cgaattcctg ggctaaagca atcctcctgc  420
ctgagtcttc tgggtagctg taactacagg cacacactac cacaacaac taattttttt  480
    
```

tttttttttt acagattctt actatgttgc caangctgat ctgaaactnt naggcctaaag 540
ngatcctcca ctttgggcct ctaaattatt 569

<210> 7396

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7396

gagaaaggct tcacttcgcc atcaaagcta gaatgcagtg gcatgattat gggctcaagc 60
catcctccca cctctgccct ccaagtagct gggactacag gtgtctgcca ccattgcttg 120
ctaatttttt aatttttttg tagagacggg gtttagccat gttgcccagg ctggtctcaa 180
actcctaagc tcaagcaatc cgcccacctt ggcctccac agtgctgggg ttacaggtgt 240
gagccaccgt gccagtgag caattttatt tttatatcat ctctggacct cacattaatc 300
tatttttctc agtaaaagta tactgcaaac aggcctccagc aatgacagtc acatccagtt 360
cctcaaattc tttttcttat taagtatgtt gagtaaaactg accgtgggtt tgtgtataga 420
ctgataccaa aggcctgacc ctaaagccct caaagactta nagggctgta gggacattag 480
acttcaaacc catcatatcc tctttctatc cttggaaaag caacgcacaa agactttctt 540
aaactcttaa ttctcaagat tattccaggg ggg 573

<210> 7397

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7397

gggacggagt tttgctcttg ttgcccaggc tggagtgcaa tggcccgatc tcgactcaca 60
gcaacctccg cctcccgggc tcaagcgatt ctctgcctc agcctcccga gcagctggga 120
ttacaggcat gcaccaccac gccagccaa ttttgtattt ttagtagaga cgggtttcgc 180

catgttggtc aggctggttt cgaactcctg acctcaggtg atccgcctgc ctcggcctcc 240
 caaagtgttg ggattacagg catgagccac tgcgcccggc cctattcaat tctatttagt 300
 cactaagtat gaaaagtatt caggttttgc taagccaggg tcaaacactc cccacatcct 360

 agtttagagt gcttagattt tccctctttt tcatgcaatt taatgaatgt taaattagca 420
 tgaaaattaa atgttatittt taaactccct aaaactttta aatgttgcta aagttatttt 480
 tccaaatgta taaaatgacc tcatttaata aaaataaact atcttaatgg tagnatatga 540
 tccgaattgg agtggagaat ngaaaacagt ccca 574

<210> 7398

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7398

gagacggagt cctcactctg tcgcccaggc tggagtggag ttcagtggca caatcttggc 60
 tgactgcaac ctctgcctcc cgggttcaag ctatcctcct gcctcagcat cccaagtagc 120
 tgggaatata ggcatgtgcc ccatgtgctg gggatttttt tgtatttttg tatttttagt 180
 agagatgggg tttcatgttg cccaggctgg tctcgaactc ctgacctcaa gtgatctgtc 240
 ttagtctctg tgttgggatt acgggcgtga gccatcacat ccaacaagac cttagattta 300
 agccaaaaca ggacttgctg actgggggtc aggcagcaat ctacaatagg gtttgtccac 360
 tatcaactgg atgaagtcag gacagagaca gaacaggaag gggattgaag tacaggggat 420
 tcccaggcac ccttgctagg taagctgggc tctgacaagg aagtgtgatg agggtaaaca 480
 gttaaggaat tgcctgcaag gncttctcgc ttccaagttt tcttggtag caaaagtaag 540
 aatgagctct ttctcttttt tttttttt 569

<210> 7399

<211> 476

<212> DNA

<213> Homo sapiens

<400> 7399

gagacggagt ctccttctgt cgcccaggct ggagtgcagt ggtgcaatat cggctcactg	60
caagctccgc ctcccaggct cacaccattc tcctgcctca gcctcgtgag tagctgggac	120
tacaggcgcc cgccaccacg cccggctaata ttttttttgt attttttggt ananacgggg	180
tttactngg ttagccagga tggctctgat ctctgacct cgtgatccgc ccgcctgggc	240
ctcccaaagt gctgggatta ccaacttgga naaagtcata agtttttgaa nagtctggan	300
aagttctaga aacccctgaa ctgacgagct tcttctcagt gaaaagacgg tccataaaca	360
gnggatttag aaacgcgacc cgaccttact gngagngggt ctgatagtcc ttgncacggg	420
agatccaaac gcancaggaa agggaatggg actnccgggg ngctttttcc nacaaa	476

<210> 7400

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7400

gatgtgttga cactgataat ttccagcttg agcaactgaa tagatggcaa tgtcacttga	60
ttgtcaaaaa tagatacttg tatccctact tggagcaaac ttaccacaaa aatacatttc	120
tttcttaaat acatgggctc tgagtttcta ttccttgacc tggagcagga ttacaaaata	180
agaagaaatg cattccatct catctacctc tctagtctc ttagagttat aactgagacc	240
aagctaagaa cctcctagtt gcatgtaaat tataaccatt aattgactgg aattcctagc	300
atgtacttgg tcttcattaa cattcatggt aactgcaggc caaaacagtt ctgctgctgt	360
taaatacattg attctgcaat ggcctaaaca ctaactcttg gataactagc catctaaatc	420
ccccttcacc cacactttat ttctgagatt ctgagtaaag ctctccagaa acccggttga	480
ccatggaaaa accaggagga atcatacttc tggatggggg ttctcctcca aacttatatc	540
ggaactggac accanttttg ggaggtt	567

<210> 7401

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7401

```

gctttccatt ttctttgtaa atattcctcc atccatttgt tttgagccta tgtgtgtctt 60
tgcacacgag atgggtctcc tgaatacagc acaccaatgg gtcttgactc tatccaattt 120
accagtgtgt gtcttttaat tggggcattt agtccattta catttaagtt taattattgt 180
ttcatgtgaa tttgatcctg ttattatgac agtagctggg tattttgcct gttagttgat 240
gcagtttctt catagtgtcg atggtcttta caattttgta tgtttttgca gtggctggta 300
ccagtttttc ctttccatat ttagtgtttc cttcaggagc tcttgtaagg cagccctggg 360
ggtaacaaaa tcccttagta tctggttgtc tgtaaaggat tttatttctc cttcacttat 420
ggaatttagc taggttggat aggaaatctg ggttgaaaat ctttcnttaa gagtgtgaat 480
attggccccc actttttntg gcttggaagg ttctgccaaa naaccgttgt aagccngatg 540
gcttcccggc ccggctn 557
    
```

<210> 7402

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7402

```

acataaatcg aggcttttat ttacatcata ggacaagaaa aggatacaaa agaagtctct 60
tggtcaagca catcaagcga aagctctaaa actcaatact cagtaagggtg tgggcactga 120
tattgaaaaa aagaaaaaaa aagaaagaaa aggtaaaaag gtaatctgtg acacaatcca 180
aatgcttaca ctccagggat tgagtaagag aaaccagggt cagccctgcc acagagaatg 240
acggctcagg ttgagtgaca tctgagattc atcttctgta cccgtgaacc tgactcccag 300
gacaaccctt aggaggtttt gacttttgac attagtgagt taattcttaa ccagattctt 360
aagaatttca gggccaaaca ggcttgaatg tacggttttt ccaatttggg ggatgggagt 420
    
```